

Selection Guide

Industrial Box-PC / IoT Gateways

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56 Artikel aus dem Bereich
Industrial Box-PC / IoT Gateways
wurden für das PDF ausgewählt.



Fanless Box-PC 70



Fanless Compact-PC 700



Fanless Box-PC X300

Cooling System	Fanless	Fanless	Fanless
Mounting System	Wall Mount	Wall Mount	Wall Mount
CPU	Intel® Celeron® 6305E Tiger Lake-UP3 Processor; Support 11th Gen. Intel® Core i7/i5 Tiger Lake-UP3 processors	Intel® Atom® Processors X Series Fanless Embedded System	8th gen. Intel® Core i7 / i5 / i3 processor
CPU Socket	-	-	-
Chipset	-	-	Intel® PCH Q370 or Intel® PCH H310
BIOS	-	AMI SPI 256Mbit	-
Watchdog Timer	-	Output & Interval: System reset, programmable via software from 1 to 255 seconds	-
Controller	-	Intel® UHD Graphics for 10th Gen Intel® Processors	-
Basic Equipment	-	-	-
Maximum Equipment	32GB	-	32GB
DRAM	-	-	-
SDRAM	-	-	-
DIMM / MemorySocket	DDR4 SO-DIMM 3.200MHz	-	2x DDR4 SO-DIMM
Compact Flash	-	-	-
SD	-	-	-
HDD	-	-	-
HD SATA	optional SATA storage via 1x M.2, support B & B+M Key module	1x 2.5" SATA 3.0 Drive Bay	-
Removeable Storage	-	x	-
Graphic Interface	4x HDMI	1x VGA/CRT, 1x HDMI, DP++ (DP++ available upon request) DisplayPort	Intel® UHD Graphics 630 Graphics Adapter, 3x or 2x HDMI
Interface COM	1x RS232, 1x RS232/422/485	1x 12-bit isolated DIO, 8-bit DIO (jumper switch to COM), 1x 4x Support Isolated COM & DIO	3x RS232 (internal port), 1x RS232/RS422/RS485
CAN	-	-	-
Galvanic Isolation	-	-	-
Interface USB	1x USB 2.0, 3x USB 3.0	2x USB 2.0, 4x USB 3.1 USB 3.0	4x internal pin header USB 2.0, 4x USB 3.0
Interface IEEE1394	-	-	-
Interface LAN	3x 10/100/1000 BASE-T, Optional WLAN	3x GbE 10/100/1000 BASE-T, 1x 2.5GbE TSN 2,5G - 5G BASE-T, 2x antenna opening for WiFi WLAN	2x 10/100/1000 BASE-T, optional WLAN
Interface IO	4x GPI, 4x GPO GPIO	-	-
Mini PCIe	1x	2x Mini-Pcie for wireless application	-
Mini PCI	-	-	-
Camera	-	-	-
Video Input	-	-	-
Resolution	-	-	-
Encoding	-	-	-
Decoding/Playback	-	-	-
Bluetooth	Optional	-	-
eSATA	-	-	-
Audio	-	Audio Codec: ALC262	1x 4-pin DC Jack, 1x Audio out
Headphone	-	-	-
SIM Card	-	Dual SIM slot	-
GPS	-	-	-
Mobile Communication 2G	-	-	-
Mobile Communication 3G	-	-	-
PCI	-	-	-
PCIe	-	1 x M.2 2280 (SATA/PCIe x4), 1 x M.2 2230 (USB/PCIe), 1 x M.2 3042/3052 (USB 3.0/PCIe) with dual SIM	1x PCIe x16 slot (for Q370)
PCI/104	-	-	-
Operating System	-	-	-
Operating System Support	WINDOWS 10 / LINUX Kernel	Windows 10 IoT Enterprise 64 Bit, Linux Ubuntu 20.04	WINDOWS 10 / LINUX
Input Voltage Nominal	-	-	-
Input Voltage Min/Max	12 to 24VDC	9 to 36V	100 to 240VAC
Output Voltage Nominal	-	-	12VDC
Output Voltage Min/Max	-	-	-
Input Current	-	-	-
Input Power	-	-	-
Battery	-	-	-
Operating Temperature	-5°C to 55°C	-40°C to 70°C	-5°C to +45°C
Extended Operating Temperature	-	-20°C to 60°C	-
Storage Temperature	-20°C to 80°C	-40°C to 85°C	-20°C to +80°C
Relative Humidity	10% to 95% (non-Condensing)	10% to 90% (non-Condensing)	95% (non-condensing)
Protection	Shock + Vibration protection	Shock + Vibration + non operating protection	-
Certification	CE, Class A FCC	CE, FCC, RoHS	CE, Class A FCC
Dimensions	198,8 x 150,4 x 37,7 mm (W x D x H), without wall-mount bracket	70 x 195 x 120 mm (W x D x H), without wall-mount bracket	200 x 190 x 54,4 (W x D x H)
Weight	-	-	Tbd.
Material	Aluminum and metal chassis	Aluminum and metal chassis	-
Typ. Application	Industrial	Industrial	Industrial, Digital Signage

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Industrial Box-PC / IoT Gateways
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Selection Guide Industrial Box-PC / IoT Gateways



Fanless Box-PC 70



Fanless Compact-PC 700



Fanless Box-PC X300

Bestellinformation

Artikel-Nr. PKBX5461

Fanless Box-PC 70-T01 w/ Intel Celeron 6305E,
1.8GHz, 3x GbE, 2x COM, 4x HDMI, 1x mini-PCle,
1x M.2

Artikel-Nr. PKBX5462

Fanless Box-PC 70-T02 w/ Core i5-1145G7E,
1.5GHz w/ Fan, 3x GbE, 2x COM, 4x HDMI, 1x
mini-PCle, 1x M.2

Artikel-Nr. PKBX5463

Fanless Box-PC 70-T03 w/ Core i7-1185G7E,
1.8GHz w/ Fan, 3x GbE, 2x COM, 4x HDMI, 1x
mini-PCle, 1x M.2

Artikel-Nr. PKBX5464

Fanless Box-PC 70-T04 w/ Core i5-1145G7E,
1.5GHz (15W TDP limited), 3x GbE, 2x COM, 4x
HDMI, 1x mini-PCle, 1x M.2

Artikel-Nr. PKBX5465

Fanless Box-PC 70-T05 w/ Core i7-1185G7E,
1.8GHz (15W TDP limited), 3x GbE, 2x COM, 4x
HDMI, 1x mini-PCle, 1x M.2

Artikel-Nr. PKBX9020

Fanless Compact-PC 700, Core i3-6100U, 8GB
DDR4, 1x HDMI, 1x VGA, 6x
COM, 4x USB 3.1, 2x Audio, 12x DIO

Artikel-Nr. PKBX5263

Fanless Box-PC X300-Q370 w/ Intel Core
i7-8700T 2.4GHz, 2x GbE, 1x COM (3x internal),
4x USB, 3x HDMI

Artikel-Nr. PKBX5263-1

Fanless Box-PC X300-H310 w/ Intel Core
i7-8700T 2.4GHz, 2x GbE, 1x COM (3x internal), 4x USB, 2x
HDMI

Artikel-Nr. PKBX5264

Fanless Box-PC X300-Q370 w/ Intel Core
i5-8500T 2.1GHz, 2x GbE, 1x COM (3x internal),
4x USB, 3x HDMI

Artikel-Nr. PKBX5264-1

Fanless Box-PC X300-H310 w/ Intel Core i5-8500T
2.1GHz, 2x GbE, 1x COM (3x internal), 4x USB, 2x
HDMI

Artikel-Nr. PKBX5265

Fanless Box-PC X300-Q370 w/ Intel Core
i3-8100T 3.1GHz, 2x GbE, 1x COM (3x internal),
4x USB, 3x HDMI

Artikel-Nr. PKBX5265-1

Fanless Box-PC X300-H310 w/ Intel Core i3-8100T
3.1GHz, 2x GbE, 1x COM (3x internal), 4x USB, 2x
HDMI

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Fanless Box-PC 3900E



Fanless Box-PC 3900E2



Fanless Box-PC 3900P2

Cooling System	Fanless	Fanless	Fanless
Mounting System	Wall Mount	Wall Mount	Wall Mount
CPU	Support 9th & 8th Gen. Intel® Core i7 / i5 / i3 LGA socket type CPU	Support 9th & 8th Gen. Intel® Core i7 / i5 / i3 LGA socket type CPU	Support 9th & 8th Gen. Intel® Core i7 / i5 / i3 LGA socket type CPU
CPU Socket	-	-	-
Chipset	Intel® Q370 PCH	Intel® Q370 PCH	Intel® Q370 PCH
BIOS	-	-	-
Watchdog Timer	-	-	-
Controller	-	-	-
Basic Equipment	-	-	-
Maximum Equipment	32GB	32GB	32GB
DRAM	-	-	-
SDRAM	-	-	-
DIMM / MemorySocket	2x DDR4 2.400/2.666 SO-DIMM	2x DDR4 2.400/2.666 SO-DIMM	2x DDR4 2.400/2.666 SO-DIMM
Compact Flash	-	-	-
SD	-	-	-
HDD	1x 2.5" HDD or SSD (SATA 3.0) driver bay. 1x external M.2 socket	1x 2.5" HDD or SSD (SATA 3.0) driver bay	1x 2.5" HDD or SSD (SATA 3.0) driver bay
HD SATA	-	-	-
Removeable Storage	-	1x external M.2 socket (M-key SATA 3.0, PCIe x4)	1x external M.2 socket (M-key SATA 3.0, PCIe x4)
Graphic Interface	1x DVI, 1x HDMI, 1x DisplayPort	1x DVI, 1x HDMI, 1x DisplayPort	1x DVI, 1x HDMI, 1x DisplayPort
Interface COM	2x RS232, 2x RS232/422/485	2x RS232, 2x RS232/422/485	2x RS232, 2x RS232/422/485
CAN	-	-	-
Galvanic Isolation	-	-	-
Interface USB	4x USB 2.0, 6x USB 3.0	4x USB 2.0, 6x USB 3.0	4x USB 2.0, 6x USB 3.0
Interface IEEE1394	-	-	-
Interface LAN	3x 10/100/1000 BASE-T, optional WLAN	3x 10/100/1000 BASE-T, optional WLAN	3x 10/100/1000 BASE-T, optional WLAN
Interface IO	4x GPI, 4x GPO GPIO	4x GPI, 4x GPO GPIO	4x GPI, 4x GPO GPIO
Mini PCIe	1x mini-PCIe socket	1x mini-PCIe socket	1x mini-PCIe socket
Mini PCI	-	-	-
Camera	-	-	-
Video Input	-	-	-
Resolution	-	-	-
Encoding	-	-	-
Decoding/Playback	-	-	-
Bluetooth	-	-	-
eSATA	-	-	-
Audio	1x Mic-in & 1x Line-out	1x Mic-in & 1x Line-out	1x Mic-in & 1x Line-out
Headphone	-	-	-
SIM Card	1x SIM card holder	1x SIM card holder	1x SIM card holder
GPS	-	-	-
Mobile Communication 2G	-	-	-
Mobile Communication 3G	-	-	-
PCI	-	-	2x PCI
PCIe	1x PCIe x4	2x PCIe x4	-
PCI/104	-	-	-
Operating System	-	-	-
Operating System Support	WINDOWS 10 / LINUX Kernel 4.9	WINDOWS 10 / LINUX Kernel 4.9	WINDOWS 10 / LINUX Kernel 4.9
Input Voltage Nominal	-	-	-
Input Voltage Min/Max	9 to 30VDC	9 to 30VDC	9 to 30VDC
Output Voltage Nominal	-	-	-
Output Voltage Min/Max	-	-	-
Input Current	-	-	-
Input Power	-	-	-
Battery	-	-	-
Operating Temperature	-5°C to +55°C	-5°C to +55°C	-5°C to +55°C
Extended Operating Temperature	-	-	-
Storage Temperature	-20°C to 80°C	-20°C to 80°C	-20°C to 80°C
Relative Humidity	10% to 95% (non-Condensing)	10% to 95% (non-Condensing)	10% to 95% (non-Condensing)
Protection	Shock + Vibration protection	Shock + Vibration protection	Shock + Vibration protection
Certification	CE, Class A FCC	CE, Class A FCC	CE, Class A FCC
Dimensions	215 x 272 x 94 mm (W x D x H) without wall mount bracket	215 x 272 x 115 mm (W x D x H) without wall mount bracket	215 x 272 x 115 mm (W x D x H) without wall mount bracket
Weight	5 kg	5,3 kg	5,3 kg
Material	Aluminum and metal chassis	Aluminum and metal chassis	Aluminum and metal chassis
Typ. Application	Industrial	Industrial	Industrial

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Fanless Box-PC 3900E



Fanless Box-PC 3900E2



Fanless Box-PC 3900P2

Bestellinformation

Artikel-Nr. PKBX5135
Fanless Box-PC 3900E Barebone w/o CPU,
DVI-D, DP, HDMI, 10x USB, 3x GbE LAN, 1x PCIe
x4

Artikel-Nr. PKBX5135-1
Fanless Box-PC 3900E, Intel Core i7-8700T
2.4GHz, DVI-D, DP, HDMI, 10x USB, 3x GbE LAN,
1x PCIe x4

Artikel-Nr. PKBX5135-2
Fanless Box-PC 3900E, Intel Core i5-8500T
2.1GHz, DVI-D, DP, HDMI, 10x USB, 3x GbE LAN,
1x PCIe x4

Artikel-Nr. PKBX5135-3
Fanless Box-PC 3900E, Intel Core i3-8100T
3.1GHz, DVI-D, DP, HDMI, 10x USB, 3x GbE LAN,
1x PCIe x4

Artikel-Nr. PKBX5135-4
Fanless Box-PC 3900E, Intel Core i7-9700TE
1.8GHz , DVI-D, DP, HDMI, 10x USB, 3x GbE
LAN, 1x PCIe x4

Artikel-Nr. PKBX5135-5
Fanless Box-PC 3900E, Intel Core i5-9500TE
2.2GHz , DVI-D, DP, HDMI, 10x USB, 3x GbE
LAN, 1x PCIe x4

Artikel-Nr. PKBX5135-6
Fanless Box-PC 3900E, Intel Core i3-9100TE
2.2GHz , DVI-D, DP, HDMI, 10x USB, 3x GbE
LAN, 1x PCIe x4

Artikel-Nr. PKBX5136
Fanless Box-PC 3900E2 Barebone w/o CPU,
DVI-D, DP, HDMI, 10x USB, 3x GbE LAN, 2x PCIe
x4

Artikel-Nr. PKBX5136-1
Fanless Box-PC 3900E2, Intel Core i7-8700T
2.4GHz, DVI-D, DP, HDMI, 10x USB, 3x GbE LAN,
2x PCIe x4

Artikel-Nr. PKBX5136-2
Fanless Box-PC 3900E2, Intel Core i5-8500T
2.1GHz, DVI-D, DP, HDMI, 10x USB, 3x GbE LAN,
2x PCIe x4

Artikel-Nr. PKBX5136-3
Fanless Box-PC 3900E2, Intel Core i3-8100T
3.1GHz, DVI-D, DP, HDMI, 10x USB, 3x GbE LAN,
2x PCIe x4

Artikel-Nr. PKBX5136-4
Fanless Box-PC 3900E2, Intel Core i7-9700TE
1.8GHz , DVI-D, DP, HDMI, 10x USB, 3x GbE
LAN, 2x PCIe x4

Artikel-Nr. PKBX5136-5
Fanless Box-PC 3900E2, Intel Core i5-9500TE
2.2GHz , DVI-D, DP, HDMI, 10x USB, 3x GbE
LAN, 2x PCIe x4

Artikel-Nr. PKBX5136-6
Fanless Box-PC 3900E2, Intel Core i3-9100TE
2.2GHz , DVI-D, DP, HDMI, 10x USB, 3x GbE
LAN, 2x PCIe x4

Artikel-Nr. PKBX5137
Fanless Box-PC 3900P2 Barebone w/o CPU,
DVI-D, DP, HDMI, 10x USB, 3x GbE LAN, 2x PCI

Artikel-Nr. PKBX5137-1
Fanless Box-PC 3900P2, Intel Core i7-8700T
2.4GHz, DVI-D, DP, HDMI, 10x USB, 3x GbE LAN,
2x PCI

Artikel-Nr. PKBX5137-2
Fanless Box-PC 3900P2, Intel Core i5-8500T
2.1GHz, DVI-D, DP, HDMI, 10x USB, 3x GbE LAN,
2x PCI

Artikel-Nr. PKBX5137-3
Fanless Box-PC 3900P2, Intel Core i3-8100T
3.1GHz, DVI-D, DP, HDMI, 10x USB, 3x GbE LAN,
2x PCI

Artikel-Nr. PKBX5137-4
Fanless Box-PC 3900P2, Intel Core i7-9700TE
1.8GHz , DVI-D, DP, HDMI, 10x USB, 3x GbE
LAN, 2x PCI

Artikel-Nr. PKBX5137-5
Fanless Box-PC 3900P2, Intel Core i5-9500TE
2.2GHz , DVI-D, DP, HDMI, 10x USB, 3x GbE
LAN, 2x PCI

Artikel-Nr. PKBX5137-6
Fanless Box-PC 3900P2, Intel Core i3-9100TE
2.2GHz , DVI-D, DP, HDMI, 10x USB, 3x GbE
LAN, 2x PCI

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Fanless Box-PC 3900P2E



Fanless Box-PC 3900E-H310



Fanless Box-PC 3900R

Cooling System	Fanless	Fanless	Fanless
Mounting System	Wall Mount	Wall Mount	Wall Mount
CPU	Support 9th & 8th Gen. Intel® Core i7 / i5 / i3 LGA socket type CPU	Support 9th & 8th Gen. Intel® Core i7 / i5 / i3 LGA socket type CPU	Support 9th & 8th Gen. Intel® Core i7 / i5 / i3 LGA socket type CPU
CPU Socket	-	-	-
Chipset	Intel® Q370 PCH	Intel® H310 PCH	Intel® Q370 PCH
BIOS	-	-	-
Watchdog Timer	-	-	-
Controller	-	-	-
Basic Equipment	-	-	-
Maximum Equipment	32GB	32GB	32GB
DRAM	-	-	-
SDRAM	-	-	-
DIMM / MemorySocket	2x DDR4 2.400/2.666 SO-DIMM	2x DDR4 2.400/2.666 SO-DIMM	2x DDR4 2.400/2.666 SO-DIMM
Compact Flash	-	-	-
SD	-	-	-
HDD	1x 2.5" HDD or SSD (SATA 3.0) driver bay	1x 2.5" HDD or SSD (SATA 3.0) driver bay	One Bay with 2x 2.5" HDD bracket trays
HD SATA	-	-	-
Removeable Storage	1x external M.2 socket (M-key SATA 3.0, PCIe x4)	1x external M.2 socket (M-key SATA 3.0, PCIe x4)	1x external M.2 socket (M-key SATA 3.0, PCIe x4)
Graphic Interface	1x DVI, 1x HDMI, 1x DisplayPort	1x DVI, 1x HDMI	1x DVI, 1x HDMI, 1x DisplayPort
Interface COM	2x RS232, 2x RS232/422/485	2x RS232, 2x RS232/422/485	2x RS232, 2x RS232/422/485
CAN	-	-	-
Galvanic Isolation	-	-	-
Interface USB	4x USB 2.0, 6x USB 3.0	2x USB 2.0, 4x USB 3.0	4x USB 2.0, 6x USB 3.0
Interface IEEE1394	-	-	-
Interface LAN	3x 10/100/1000 BASE-T, optional WLAN	3x 10/100/1000 BASE-T, optional WLAN	3x 10/100/1000 BASE-T, optional WLAN
Interface IO	4x GPI, 4x GPO GPIO	4x GPI, 4x GPO GPIO	4x GPI, 4x GPO GPIO
Mini PCIe	1x mini-PCIe socket	1x mini-PCIe socket	1x mini-PCIe socket
Mini PCI	-	-	-
Camera	-	-	-
Video Input	-	-	-
Resolution	-	-	-
Encoding	-	-	-
Decoding/Playback	-	-	-
Bluetooth	-	-	-
eSATA	-	-	-
Audio	1x Mic-in & 1x Line-out	1x Mic-in & 1x Line-out	1x Mic-in & 1x Line-out
Headphone	-	-	-
SIM Card	1x SIM card holder	1x SIM card holder	1x SIM card holder
GPS	-	-	-
Mobile Communication 2G	-	-	-
Mobile Communication 3G	-	-	-
PCI	1x PCI	-	-
PCIe	1x PCIe	1x PCIe x4	-
PCI/104	-	-	-
Operating System	-	-	-
Operating System Support	WINDOWS 10 / LINUX Kernel 4.9	WINDOWS 10 / LINUX Kernel 4.9	WINDOWS 10 / LINUX Kernel 4.9
Input Voltage Nominal	-	-	-
Input Voltage Min/Max	9 to 30VDC	9 to 30VDC	9 to 30VDC
Output Voltage Nominal	-	-	-
Output Voltage Min/Max	-	-	-
Input Current	-	-	-
Input Power	-	-	-
Battery	-	-	-
Operating Temperature	-5°C to +55°C	-5°C to +55°C	-5°C to +55°C
Extended Operating Temperature	-	-	-
Storage Temperature	-20°C to 80°C	-20°C to 80°C	-20°C to 80°C
Relative Humidity	10% to 95% (non-Condensing)	10% to 95% (non-Condensing)	10% to 95% (non-Condensing)
Protection	Shock + Vibration protection	Shock + Vibration protection	Shock + Vibration protection
Certification	CE, Class A FCC	CE, Class A FCC	CE, Class A FCC
Dimensions	215 x 272 x 115 mm (W x D x H) without wall mount bracket	215 x 272 x 94 mm (W x D x H) without wall mount bracket	215 x 272 x 94 mm (W x D x H) without wall mount bracket
Weight	5,3 kg	5 kg	5,1 kg
Material	Aluminum and metal chassis	Aluminum and metal chassis	Aluminum and metal chassis
Typ. Application	Industrial	Industrial	Industrial

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Fanless Box-PC 3900P2E



Fanless Box-PC 3900E-H310



Fanless Box-PC 3900R

Bestellinformation

Artikel-Nr. PKBX5138
Fanless Box-PC 3900P2E Barebone w/o CPU,
DVI-D, DP, HDMI, 10x USB, 3x GbE LAN, 1x PCIe
x4 + 1x PCI

Artikel-Nr. PKBX5138-1
Fanless Box-PC 3900P2E, Intel Core i7-8700T
2.4GHz, DVI-D, DP, HDMI, 10x USB, 3x GbE LAN,
1x PCIe x4 + 1x PCI

Artikel-Nr. PKBX5138-2
Fanless Box-PC 3900P2E, Intel Core i5-8500T
2.1GHz, DVI-D, DP, HDMI, 10x USB, 3x GbE LAN,
1x PCIe x4 + 1x PCI

Artikel-Nr. PKBX5138-3
Fanless Box-PC 3900P2E, Intel Core i3-8100T
3.1GHz, DVI-D, DP, HDMI, 10x USB, 3x GbE LAN,
1x PCIe x4 + 1x PCI

Artikel-Nr. PKBX5138-5
Fanless Box-PC 3900P2E, Intel Core i7-9700TE
1.8GHz , DVI-D, DP, HDMI, 10x USB, 3x GbE
LAN, 1x PCIe x4 + 1x PCI

Artikel-Nr. PKBX5138-6
Fanless Box-PC 3900P2E, Intel Core i5-9500TE
2.2GHz, DVI-D, DP, HDMI, 10x USB, 3x GbE LAN,
1x PCIe x4 + 1x PCI

Artikel-Nr. PKBX5138-7
Fanless Box-PC 3900P2E, Intel Core i3-9100TE
2.2GHz , DVI-D, DP, HDMI, 10x USB, 3x GbE
LAN, 1x PCIe x4 + 1x PCI

Artikel-Nr. PKBX5139
Fanless Box-PC 3900E-H310 Barebone w/o CPU,
DVI-D, HDMI, 3x USB, 2x GbE LAN, 1x PCIe x4

Artikel-Nr. PKBX5139-1
Fanless Box-PC 3900E-H310, Intel Core i7-8700T
2.4GHz, DVI-D, HDMI, 3x USB, 2x GbE LAN, 1x
PCIe x4

Artikel-Nr. PKBX5139-2
Fanless Box-PC 3900E-H310, Intel Core i5-8500T
2.1GHz, DVI-D, HDMI, 3x USB, 2x GbE LAN, 1x
PCIe x4

Artikel-Nr. PKBX5139-3
Fanless Box-PC 3900E-H310, Intel Core i3-8100T
3.1GHz, DVI-D, HDMI, 3x USB, 2x GbE LAN, 1x
PCIe x4

Artikel-Nr. PKBX5139-4
Fanless Box-PC 3900E-H310, Core i7-9700TE
1.8GHz, DVI-D, HDMI, 3x USB, 2x GbE LAN, 1x
PCIe x4

Artikel-Nr. PKBX5139-5
Fanless Box-PC 3900E-H310, Core i5-9500TE
2.2GHz, DVI-D, HDMI, 3x USB, 2x GbE LAN, 1x
PCIe x4

Artikel-Nr. PKBX5139-6
Fanless Box-PC 3900E-H310, Core i3-9100TE
2.2GHz , DVI-D, HDMI, 3x USB, 2x GbE LAN, 1x
PCIe x4

Artikel-Nr. PKBX5140
Fanless Box-PC 3900R Barebone w/o CPU,
DVI-D, DP, HDMI, 10x USB, 3x GbE, 2x 2.5" HDD
trays

Artikel-Nr. PKBX5140-1
Fanless Box-PC 3900R, Intel Core i7-8700T
2.4GHz, DVI-D, DP, HDMI, 10x USB, 3x GbE, 2x
2.5" HDD trays

Artikel-Nr. PKBX5140-2
Fanless Box-PC 3900R, Intel Core i5-8500T
2.1GHz, DVI-D, DP, HDMI, 10x USB, 3x GbE, 2x
2.5" HDD trays

Artikel-Nr. PKBX5140-3
Fanless Box-PC 3900R, Intel Core i3-8100T
3.1GHz, DVI-D, DP, HDMI, 10x USB, 3x GbE, 2x
2.5" HDD trays

Artikel-Nr. PKBX5140-4
Fanless Box-PC 3900R, Intel Core i7-9700TE
1.8GHz, DVI-D, DP, HDMI, 10x USB, 3x GbE, 2x
2.5" HDD trays

Artikel-Nr. PKBX5140-5
Fanless Box-PC 3900R, Intel Core i5-9500TE
2.2GHz , DVI-D, DP, HDMI, 10x USB, 3x GbE, 2x
2.5" HDD trays

Artikel-Nr. PKBX5140-6
Fanless Box-PC 3900R, Intel Core i3-9100TE
2.2GHz, DVI-D, DP, HDMI, 10x USB, 3x GbE, 2x
2.5" HDD trays

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Fanless Box-PC 9002-P6



Fanless Box-PC 7900



Fanless Box-PC 7901

Cooling System	Fanless	Fanless	Fanless
Mounting System	Optional Wall Mounting Kit Wall Mount	Optional Wall Mounting Kit Wall Mount	Optional Wall Mounting Kit Wall Mount
CPU	Intel® Xeon® E3 - 6th generation (Skylake) or Intel® Core™ i7 / i5 / i3 - 7th generation (Kaby Lake) in LGA1150 socket up to 3.4GHz	Intel® Xeon® E3 - 6th generation (Skylake) or Intel® Core™ i7 / i5 / i3 - 7th generation (Kaby Lake) in LGA1150 socket up to 3.4GHz	Intel® Xeon® E3 - 6th generation (Skylake) or Intel® Core™ i7 / i5 / i3 - 7th generation (Kaby Lake) in LGA1150 socket up to 3.4GHz
CPU Socket	-	-	-
Chipset	Intel® C236	Intel® C236	Intel® C236
BIOS	-	-	-
Watchdog Timer	1~255 levels reset	1~255 levels reset	1~255 levels reset
Controller	-	-	-
Basic Equipment	-	-	-
Maximum Equipment	32GB	32GB	32GB
DRAM	-	-	-
SDRAM	-	-	-
DIMM / MemorySocket	DDR4 SO-DIMM	DDR4 SO-DIMM	DDR4 SO-DIMM
Compact Flash	-	-	-
SD	-	-	-
HDD	-	-	-
HD SATA	2x 2.5" drive bays	2x 2.5" drive bays	2x 2.5" drive bays
Removeable Storage	-	-	-
Graphic Interface	1x VGA/CRT, 1x DVI-D DVI, 1x HDMI, 1x DisplayPort	1x VGA/CRT, 1x DVI-D DVI, 1x HDMI, 1x DisplayPort	1x VGA/CRT, 1x DVI-D DVI, 1x HDMI, 1x DisplayPort
Interface COM	2x RS-232/422/485	4x RS-232, 2x RS-232/422/485	4x RS-232, 2x RS-232/422/485
CAN	-	-	-
Galvanic Isolation	-	-	-
Interface USB	6x USB 3.0	6x USB 3.0	6x USB 3.0
Interface IEEE1394	-	-	-
Interface LAN	3x RJ-45 10/100/1000 BASE-T, Optional WLAN, 6x RJ-45 PoE	3x RJ-45 10/100/1000 BASE-T, Optional WLAN	3x RJ-45 10/100/1000 BASE-T, Optional WLAN
Interface IO	1x DIO (8x in) Digital Input, 1x DIO (8x out) Digital Output	1x DIO (8x in) Digital Input, 1x DIO (8x out) Digital Output	1x DIO (8x in) Digital Input, 1x DIO (8x out) Digital Output
Mini PCIe	2x Mini PCIe slot	2x Mini PCIe slot	2x Mini PCIe slot
Mini PCI	-	-	-
Camera	-	-	-
Video Input	-	-	-
Resolution	-	-	-
Encoding	-	-	-
Decoding/Playback	-	-	-
Bluetooth	-	-	-
eSATA	-	-	-
Audio	Mic-in / Line-out	Mic-in / Line-out	Mic-in / Line-out
Headphone	-	-	-
SIM Card	1x SIM card socket	1x SIM card socket	1x SIM card socket
GPS	Optional	Optional	Optional
Mobile Communication 2G	-	-	-
Mobile Communication 3G	Optional UMTS	Optional UMTS	Optional UMTS
PCI	-	-	1x PCI slot
PCIe	1x PCIe x16 slot, 1x PCIe x8 slot via x4 lanes	-	1x PCIe x16 slot
PCI/104	-	-	-
Operating System	-	-	-
Operating System Support	For 7th gen. Intel®CPU (Kaby Lake): Windows 10 IOT, Linux (Kernel 4.8.x); For 6th gen. Intel®CPU (Skylake): Windows 10 IOT / 8.1 / 7, Linux (Kernel 4.4.x)	For 7th gen. Intel®CPU (Kaby Lake): Windows 10 IOT, Linux (Kernel 4.8.x); For 6th gen. Intel®CPU (Skylake): Windows 10 IOT / 8.1 / 7, Linux (Kernel 4.4.x)	For 7th gen. Intel®CPU (Kaby Lake): Windows 10 IOT, Linux (Kernel 4.8.x); For 6th gen. Intel®CPU (Skylake): Windows 10 IOT / 8.1 / 7, Linux (Kernel 4.4.x)
Input Voltage Nominal	-	-	-
Input Voltage Min/Max	19 to 36VDC	9 to 36VDC	9 to 36VDC
Output Voltage Nominal	-	-	-
Output Voltage Min/Max	-	-	-
Input Current	-	-	-
Input Power	180W (typical)	75W (w/o I/O card)	75W (w/o I/O card)
Battery	-	-	-
Operating Temperature	-20°C to 55°C	-20°C to 55°C	-20°C to 55°C
Extended Operating Temperature	-	-	-
Storage Temperature	-40°C to 85°C	-40°C to 75°C	-40°C to 75°C
Relative Humidity	10 to 95% @ 55°C (non-condensing)	10 to 95% @ 55°C (non-condensing)	10 to 95% @ 55°C (non-condensing)
Protection	Shock & Vibration Protection	Shock & Vibration Protection	Shock & Vibration Protection
Certification	CE, Class A FCC	CE, Class B FCC	CE, Class B FCC
Dimensions	225 x 292 x 120 mm (W x D x H)	225 x 267 x 90 mm (W x D x H)	225 x 267 x 120 mm (W x D x H)
Weight	7,2 kg	6,4 kg	7 kg
Material	Aluminum alloy	Aluminum alloy	Aluminum alloy
Typ. Application	Industrial	Industrial	Industrial

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Fanless Box-PC 9002-P6



Fanless Box-PC 7900



Fanless Box-PC 7901

Bestellinformation

Artikel-Nr. PKBX2252

Fanless Box-PC 9002-P6, Barebone, 1x VGA, 1x DP, 1x HDMI, 1x DVI-D, 6x GbE PoE, 1x PCIe x8 + 1x PCIe x16

Artikel-Nr. PKBX2252-1

Fanless Box-PC 9002-P6, 6.Gen Intel Xeon E3-1268L-V5, 2.4GHz, 1x VGA, 1x DP, 1x HDMI, 1x DVI-D, 6x GbE PoE, 1x PCIe x8 + 1x PCIe x16

Artikel-Nr. PKBX2252-2

Fanless Box-PC 9002-P6, 7.Gen Intel Core i7-7700T, 2.9GHz, 1x VGA, 1x DP, 1x HDMI, 1x DVI-D, 6x GbE PoE, 1x PCIe x8 + 1x PCIe x16

Artikel-Nr. PKBX2252-3

Fanless Box-PC 9002-P6, 7.Gen Intel Core i5-7500T, 2.7GHz, 1x VGA, 1x DP, 1x HDMI, 1x DVI-D, 6x GbE PoE, 1x PCIe x8 + 1x PCIe x16

Artikel-Nr. PKBX2252-4

Fanless Box-PC 9002-P6, 7.Gen Intel Core i3-7101TE, 3.4GHz, 1x VGA, 1x DP, 1x HDMI, 1x DVI-D, 6x GbE PoE, 1x PCIe x8 + 1x PCIe x16

Artikel-Nr. PKBX2210

Fanless Box-PC 7900, Barebone, 1x VGA, 1x DP, 1x HDMI, 1x DVI-D, 3x GbE LAN, w/o expansion

Artikel-Nr. PKBX2210-1

Fanless Box-PC 7900, 6.Gen Intel Xeon E3-1268L-V5, 2.4GHz, 1x VGA, 1x DP, 1x HDMI, 1x DVI-D, 3x GbE LAN, w/o expansion

Artikel-Nr. PKBX2210-2

Fanless Box-PC 7900, 7.Gen Intel Core i7-7700T, 2.9GHz, 1x VGA, 1x DP, 1x HDMI, 1x DVI-D, 3x GbE LAN, w/o expansion

Artikel-Nr. PKBX2210-3

Fanless Box-PC 7900, 7.Gen Intel Core i5-7500T, 2.7GHz, 1x VGA, 1x DP, 1x HDMI, 1x DVI-D, 3x GbE LAN, w/o expansion

Artikel-Nr. PKBX2210-4

Fanless Box-PC 7900, 7.Gen Intel Core i3-7101TE, 3.4GHz, 1x VGA, 1x DP, 1x HDMI, 1x DVI-D, 3x GbE LAN, w/o expansion

Artikel-Nr. PKBX2211

Fanless Box-PC 7901, Barebone, 1x VGA, 1x DP, 1x HDMI, 1x DVI-D, 3x GbE LAN, 1x PCI + 1x PCIe x16

Artikel-Nr. PKBX2211-1

Fanless Box-PC 7901, 6.Gen Intel Xeon E3-1268L-V5, 2.4GHz, 1x VGA, 1x DP, 1x HDMI, 1x DVI-D, 3x GbE LAN, 1x PCI + 1x PCIe x16

Artikel-Nr. PKBX2211-2

Fanless Box-PC 7901, 7.Gen Intel Core i7-7700T, 2.9GHz, 1x VGA, 1x DP, 1x HDMI, 1x DVI-D, 3x GbE LAN, 1x PCI + 1x PCIe x16

Artikel-Nr. PKBX2211-3

Fanless Box-PC 7901, 7.Gen Intel Core i5-7500T, 2.7GHz, 1x VGA, 1x DP, 1x HDMI, 1x DVI-D, 3x GbE LAN, 1x PCI + 1x PCIe x16

Artikel-Nr. PKBX2211-4

Fanless Box-PC 7901, 7.Gen Intel Core i3-7101TE, 3.4GHz, 1x VGA, 1x DP, 1x HDMI, 1x DVI-D, 3x GbE LAN, 1x PCI + 1x PCIe x16

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Fanless Box-PC 7902



Fanless Box-PC 7903



Fanless Compact-PC 70 Type A1

Cooling System	Fanless	Fanless	
Mounting System	Optional Wall Mounting Kit Wall Mount	Optional Wall Mounting Kit Wall Mount	Optional Wall Mount, Optional VESA
CPU	Intel® Xeon® E3 - 6th generation (Skylake) or Intel® Core™ i7 / i5 / i3 - 7th generation (Kaby Lake) in LGA1150 socket up to 3.4GHz	Intel® Xeon® E3 - 6th generation (Skylake) or Intel® Core™ i7 / i5 / i3 - 7th generation (Kaby Lake) in LGA1150 socket up to 3.4GHz	7th Gen Intel® Core i7 / i5 / i3 Processor Dual Core
CPU Socket	-	-	
Chipset	Intel® C236	Intel® C236	
BIOS	-	-	Insyde SPI 128Mbit
Watchdog Timer	1~255 levels reset	1~255 levels reset	System Reset, Programmable via Software
Controller	-	-	
Basic Equipment	-	-	4GB
Maximum Equipment	32GB	32GB	8GB
DRAM	-	-	
SDRAM	-	-	
DIMM / MemorySocket	DDR4 SO-DIMM	DDR4 SO-DIMM	DDR4 2.133MHz
Compact Flash	-	-	
SD	-	-	
HDD	-	-	
HD SATA	2x 2.5" drive bays	2x 2.5" drive bays	1x 2.5" SATA 3.0 Drive Bay, 1x mSATA mini, 1x M.2 2280 B Key (SATA)
Removeable Storage	-	-	
Graphic Interface	1x VGA/CRT, 1x DVI-D DVI, 1x HDMI, 1x DisplayPort	1x VGA/CRT, 1x DVI-D DVI, 1x HDMI, 1x DisplayPort	Intel® HD Graphics GT Series Graphics Adapter, 1x VGA/CRT, 1x HDMI, 1x DisplayPort
Interface COM	4x RS-232, 2x RS-232/422/485	4x RS-232, 2x RS-232/422/485	4x RS232, 2x RS232/422/485
CAN	-	-	
Galvanic Isolation	-	-	
Interface USB	6x USB 3.0	6x USB 3.0	4x USB 2.0, 4x USB 3.0
Interface IEEE1394	-	-	
Interface LAN	3x RJ-45 10/100/1000 BASE-T, Optional WLAN	3x RJ-45 10/100/1000 BASE-T, Optional WLAN	2x 10/100/1000 BASE-T, Optional WLAN
Interface IO	1x DIO (8x in) Digital Input, 1x DIO (8x out) Digital Output	1x DIO (8x in) Digital Input, 1x DIO (8x out) Digital Output	support 8-bit DIO by jumper setting GPIO
Mini PCIe	2x Mini PCIe slot	2x Mini PCIe slot	2x
Mini PCI	-	-	-
Camera	-	-	
Video Input	-	-	
Resolution	-	-	
Encoding	-	-	
Decoding/Playback	-	-	
Bluetooth	-	-	Optional
eSATA	-	-	
Audio	Mic-in / Line-out	Mic-in / Line-out	1x Line-out + 1x Mic-in
Headphone	-	-	
SIM Card	1x SIM card socket	1x SIM card socket	
GPS	Optional	Optional	
Mobile Communication 2G	-	-	-
Mobile Communication 3G	Optional UMTS	Optional UMTS	-
PCI	-	2x PCI	
PCIe	1x PCIe x16 slot, 1x PCIe x8 slot via x4 lanes	-	
PCI/104	-	-	
Operating System	-	-	
Operating System Support	For 7th gen. Intel®CPU (Kaby Lake): Windows 10 IOT, Linux (Kernel 4.8.x); For 6th gen. Intel®CPU (Skylake): Windows 10 IOT / 8.1 / 7, Linux (Kernel 4.4.x)	For 7th gen. Intel®CPU (Kaby Lake): Windows 10 IOT, Linux (Kernel 4.8.x); For 6th gen. Intel®CPU (Skylake): Windows 10 IOT / 8.1 / 7, Linux (Kernel 4.4.x)	WINDOWS 10 / 10 IoT Enterprise
Input Voltage Nominal	-	-	
Input Voltage Min/Max	9 to 36VDC	9 to 36VDC	15 to 36VDC
Output Voltage Nominal	-	-	
Output Voltage Min/Max	-	-	
Input Current	-	-	
Input Power	75W (w/o I/O card)	75W (w/o I/O card)	
Battery	-	-	
Operating Temperature	-20°C to 55°C	-20°C to 55°C	-
Extended Operating Temperature	-	-	20°C to 60°C
Storage Temperature	-40°C to 75°C	-40°C to 75°C	-20°C to 85°C
Relative Humidity	10 to 95% @ 55°C (non-condensing)	10 to 95% @ 55°C (non-condensing)	5% to 95% RH (non-condensing)
Protection	Shock & Vibration Protection	Shock & Vibration Protection	Shock + Vibration protection
Certification	CE, Class B FCC	CE, Class B FCC	CE, Class A FCC
Dimensions	225 x 267 x 120 mm (W x D x H)	225 x 267 x 120 mm (W x D x H)	181,6 x 67 x 118,4 mm (W x H x D)
Weight	7 kg	7 kg	1,65 Kg
Material	Aluminum alloy	Aluminum alloy	Aluminum
Typ. Application	Industrial	Industrial	Industrial, Medical, Digital Signage

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Fanless Box-PC 7902



Fanless Box-PC 7903



Fanless Compact-PC 70 Type A1

Bestellinformation

Artikel-Nr. PKBX2212

Fanless Box-PC 7902, Barebone, 1x VGA, 1x DP, 1x HDMI, 1x DVI-D, 3x GbE LAN, 1x PCIe x8 + 1x PCIe x16

Artikel-Nr. PKBX2212-1

Fanless Box-PC 7902, 6.Gen Intel Xeon E3-1268L-V5, 2.4GHz, 1x VGA, 1x DP, 1x HDMI, 1x DVI-D, 3x GbE LAN, 1x PCIe x8 + 1x PCIe x16

Artikel-Nr. PKBX2212-2

Fanless Box-PC 7902, 7.Gen Intel Core i7-7700T, 2.9GHz, 1x VGA, 1x DP, 1x HDMI, 1x DVI-D, 3x GbE LAN, 1x PCIe x8 + 1x PCIe x16

Artikel-Nr. PKBX2212-3

Fanless Box-PC 7902, 7.Gen Intel Core i5-7500T, 2.7GHz, 1x VGA, 1x DP, 1x HDMI, 1x DVI-D, 3x GbE LAN, 1x PCIe x8 + 1x PCIe x16

Artikel-Nr. PKBX2212-4

Fanless Box-PC 7902, 7.Gen Intel Core i3-7101TE, 3.4GHz, 1x VGA, 1x DP, 1x HDMI, 1x DVI-D, 3x GbE LAN, 1x PCIe x8 + 1x PCIe x16

Artikel-Nr. PKBX2213

Fanless Box-PC 7903, Barebone, 1x VGA, 1x DP, 1x HDMI, 1x DVI-D, 3x GbE LAN, 2x PCI

Artikel-Nr. PKBX2213-1

Fanless Box-PC 7903, 6.Gen Intel Xeon E3-1268L-V5, 2.4GHz, 1x VGA, 1x DP, 1x HDMI, 1x DVI-D, 3x GbE LAN, 2x PCI

Artikel-Nr. PKBX2213-2

Fanless Box-PC 7903, 7.Gen Intel Core i7-7700T, 2.9GHz, 1x VGA, 1x DP, 1x HDMI, 1x DVI-D, 3x GbE LAN, 2x PCI

Artikel-Nr. PKBX2213-3

Fanless Box-PC 7903, 7.Gen Intel Core i5-7500T, 2.7GHz, 1x VGA, 1x DP, 1x HDMI, 1x DVI-D, 3x GbE LAN, 2x PCI

Artikel-Nr. PKBX2213-4

Fanless Box-PC 7903, 7.Gen Intel Core i3-7101TE, 3.4GHz, 1x VGA, 1x DP, 1x HDMI, 1x DVI-D, 3x GbE LAN, 2x PCI

Artikel-Nr. PKBX9013

Fanless Compact-PC 70 Type A1, Core i7-7600U, 4GB DDR4, 2x HDMI, 1x VGA, 2x LAN, 6x COM, 8x USB, Audio

Artikel-Nr. PKBX9013-1

Fanless Compact-PC 70 Type A1, Core i7-7600U, 8GB DDR4, 2x HDMI, 1x VGA, 2x LAN, 6x COM, 8x USB, Audio

Artikel-Nr. PKBX9014

Fanless Compact-PC 70 Type A1, Core i5-7300U, 4GB DDR4, 2x HDMI, 1x VGA, 2x LAN, 6x COM, 8x USB, Audio

Artikel-Nr. PKBX9014-1

Fanless Compact-PC 70 Type A1, Core i5-7300U, 8GB DDR4, 2x HDMI, 1x VGA, 2x LAN, 6x COM, 8x USB, Audio

Artikel-Nr. PKBX9015

Fanless Compact-PC 70 Type A1, Core i3-7100U, 4GB DDR4, 2x HDMI, 1x VGA, 2x LAN, 6x COM, 8x USB, Audio

Artikel-Nr. PKBX9015-1

Fanless Compact-PC 70 Type A1, Core i3-7100U, 8GB DDR4, 2x HDMI, 1x VGA, 2x LAN, 6x COM, 8x USB, Audio

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Fanless Compact-PC 70 Type A2



Fanless Compact-PC 70 Type B



Fanless Box-PC 3800E

Cooling System			Fanless
Mounting System	Optional Wall Mount, Optional DIN Rail, Optional VESA	Optional Wall Mount, Optional DIN Rail, Optional VESA	Wall Mount
CPU	6th Gen Intel® Core i7 / i5 / i3 Processor Dual Core (7th Gen by request)	6th Gen Intel® Core i7 / i5 / i3 Processor Dual Core (7th Gen by request)	6th generation Intel® Core i7 / i5 / i3 / Pentium® G4400TE / Celeron® G3900TE LGA socket type embedded processor
CPU Socket			-
Chipset			Intel® Q170 PCH
BIOS	Insyde SPI 128Mbit	Insyde SPI 128Mbit	-
Watchdog Timer	System Reset, Programmable via Software	System Reset, Programmable via Software	-
Controller			-
Basic Equipment	4GB	4GB	-
Maximum Equipment	8GB	8GB	16GB
DRAM			-
SDRAM			-
DIMM / MemorySocket	DDR4 2.133MHz	DDR4 2.133MHz	2x DDR4 SO-DIMM
Compact Flash			-
SD			-
HDD			1x 2.5" HDD (SATA 3.0)
HD SATA	1x 2.5" SATA 3.0 Drive Bay	1x mSATA-mini & 1x M.2 (2280 B Key) / CFast Slot	1x mSATA (SATA 3.0)
Removeable Storage			-
Graphic Interface	Intel® HD Graphics 520 Graphics Adapter, 1x VGA/CRT, 1x HDMI	Intel® HD Graphics GT Series Graphics Adapter, 1x VGA/CRT, 1x HDMI, Optional DisplayPort	1x DVI-D DVI, 1x HDMI, 1x DisplayPort
Interface COM	2x RS232, 2x RS232/422/485	4x RS232, 2x RS232/422/485	2x RS232/422/485
CAN			-
Galvanic Isolation			-
Interface USB	4x USB 3.0	6x USB 3.0	2x USB 2.0, 4x USB 3.0
Interface IEEE1394	-	-	-
Interface LAN	2x 10/100/1000 BASE-T, Optional WLAN	2x 10/100/1000 BASE-T, Optional WLAN, 2x PoE	3x 10/100/1000 BASE-T, optional WLAN
Interface IO	support 8-bit DIO by jumper setting GPIO	1x 8-bit DIO GPIO	-
Mini PCIe	2x	2x	2x internal
Mini PCI	-	-	-
Camera			-
Video Input			-
Resolution			-
Encoding			-
Decoding/Playback			-
Bluetooth	Optional	Optional	-
eSATA			-
Audio	1x Line-out + 1x Mic-in	1x Line-out + 1x Mic-in	1x Line-Out and 1x Mic-In
Headphone			-
SIM Card			1x
GPS			-
Mobile Communication 2G	-	-	-
Mobile Communication 3G	-	-	-
PCI			-
PCIe			1x PCIe x4
PCI/104			-
Operating System			-
Operating System Support	WINDOWS 10 / 8.1 / 7 / WE8S / WES7	WINDOWS 10 / 8.1 / 7 / WE8S / WES7	Windows 7 / 8.1 (32bits and 64bits) / 10 (64 bits)
Input Voltage Nominal			-
Input Voltage Min/Max	15 to 36VDC	15 to 36VDC	+9 to +30VDC
Output Voltage Nominal			-
Output Voltage Min/Max			-
Input Current			-
Input Power			-
Battery			-
Operating Temperature	0°C to 50°C	-	-5°C to 55°C
Extended Operating Temperature	20°C to 60°C	20°C to 60°C	-
Storage Temperature	-20°C to 85°C	-20°C to 85°C	-20°C to 85°C
Relative Humidity	5% to 95% RH (non-condensing)	5% to 95% RH (non-condensing)	10% to 93%, Non-Condensing
Protection	Shock + Vibration protection	Shock + Vibration protection	Shock + Vibration protection
Certification	CE, UL60601-1 (Medical), Class A FCC, RoHs	CE, Class A FCC, RoHs	EN61000-6-2 / EN61000-6-4 CE, Class A FCC
Dimensions	181,6 x 57 x 118,4 mm (W x H x D)	184 x 82 x 118,4 mm (W x H x D)	215 x 272 x 93 mm (W x D x H) without wall mount bracket
Weight	1,1 Kg	1,6 Kg	4,5 kg
Material	Aluminum	Aluminum	Aluminum and Metal Chassis
Typ. Application	Industrial, Medical, Digital Signage	Industrial, Medical, Digital Signage	Industrial

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Fanless Compact-PC 70 Type A2



Fanless Compact-PC 70 Type B



Fanless Box-PC 3800E



Bestellinformation

Artikel-Nr. PKBX9010

Fanless Compact-PC 70 Type A2, Core i7-6600U,
4GB DDR4, 1x HDMI, 1x VGA, 2x LAN, 4x COM,
4x USB, Audio

Artikel-Nr. PKBX9010-1

Fanless Compact-PC 70 Type A2, Core i7-6600U,
8GB DDR4, 1x HDMI, 1x VGA, 2x LAN, 4x COM,
4x USB, Audio

Artikel-Nr. PKBX9011

Fanless Compact-PC 70 Type A2, Core i5-6300U,
4GB DDR4, 1x HDMI, 1x VGA, 2x LAN, 4x COM,
4x USB, Audio

Artikel-Nr. PKBX9011-1

Fanless Compact-PC 70 Type A2, Core i5-6300U,
8GB DDR4, 1x HDMI, 1x VGA, 2x LAN, 4x COM,
4x USB, Audio

Artikel-Nr. PKBX9012

Fanless Compact-PC 70 Type A2, Core i3-6100U,
4GB DDR4
, 1x HDMI, 1x VGA, 2x LAN, 4x COM, 4x USB,
Audio

Artikel-Nr. PKBX9012-1

Fanless Compact-PC 70 Type A2, Core i3-6100U,
8GB DDR4, 1x HDMI, 1x VGA, 2x LAN, 4x COM,
4x USB, Audio

Artikel-Nr. PKBX9016

Fanless Compact-PC 70 Type B, Core i7-6600U,
4GB DDR4, 1x HDMI, 1x VGA, 2x LAN, 6x COM,
6x USB, 2x PoE, Audio

Artikel-Nr. PKBX9016-1

Fanless Compact-PC 70 Type B, Core i7-6600U,
8GB DDR4, 1x HDMI, 1x VGA, 2x LAN, 6x COM,
6x USB, 2x PoE, Audio

Artikel-Nr. PKBX9017

Fanless Compact-PC 70 Type B, Core i5-6300U,
4GB DDR4, 1x HDMI, 1x VGA, 2x LAN, 6x COM,
6x USB, 2x PoE, Audio

Artikel-Nr. PKBX9017-1

Fanless Compact-PC 70 Type B, Core i5-6300U,
8GB DDR4, 1x HDMI, 1x VGA, 2x LAN, 6x COM,
6x USB, 2x PoE, Audio

Artikel-Nr. PKBX9018

Fanless Compact-PC 70 Type B, Core i3-6100U,
4GB DDR4, 1x HDMI, 1x VGA, 2x LAN, 6x COM,
6x USB, 2x PoE, Audio

Artikel-Nr. PKBX9018-1

Fanless Compact-PC 70 Type B, Core i3-6100U,
8GB DDR4, 1x HDMI, 1x VGA, 2x LAN, 6x COM,
6x USB, 2x PoE, Audio

Artikel-Nr. PKBX5190

Fanless Box-PC 3800E Barebone w/o CPU,
DVI-D, DP, HDMI, 6x USB, 3x GbE LAN, 1x PCIe
x4

Artikel-Nr. PKBX5190-1

Fanless Box-PC 3800E, Intel Core i7-6700TE
2.4GHz, DVI-D, DP, HDMI, 6x USB, 3x GbE LAN,
1x PCIe x4

Artikel-Nr. PKBX5190-2

Fanless Box-PC 3800E, Intel Core i5-6500TE
2.3GHz, DVI-D, DP, HDMI, 6x USB, 3x GbE LAN,
1x PCIe x4

Artikel-Nr. PKBX5190-3

Fanless Box-PC 3800E, Intel Core i3-6100TE
2.7GHz, DVI-D, DP, HDMI, 6x USB, 3x GbE LAN,
1x PCIe x4

Artikel-Nr. PKBX5190-4

Fanless Box-PC 3800E, Pentium G4400TE
2.4GHz, DVI-D, DP, HDMI, 6x USB, 3x GbE LAN,
1x PCIe x4

Artikel-Nr. PKBX5190-5

Fanless Box-PC 3800E, Celeron G3900TE
2.3GHz, DVI-D, DP, HDMI, 6x USB, 3x GbE LAN,
1x PCIe x4

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Selection Guide Industrial Box-PC / IoT Gateways



Fanless Box-PC 3800E2



Fanless Box-PC 3800P2



Fanless Box-PC 3800P2E

Cooling System	Fanless	Fanless	Fanless
Mounting System	Wall Mount	Wall Mount	Wall Mount
CPU	6th generation Intel® Core i7 / i5 / i3 / Pentium® G4400TE / Celeron® G3900TE LGA socket type embedded processor	6th generation Intel® Core i7 / i5 / i3 / Pentium® G4400TE / Celeron® G3900TE LGA socket type embedded processor	6th generation Intel® Core i7 / i5 / i3 / Pentium® G4400TE / Celeron® G3900TE LGA socket type embedded processor
CPU Socket	-	-	-
Chipset	Intel® Q170 PCH	Intel® Q170 PCH	Intel® Q170 PCH
BIOS	-	-	-
Watchdog Timer	-	-	-
Controller	-	-	-
Basic Equipment	-	-	-
Maximum Equipment	16GB	16GB	16GB
DRAM	-	-	-
SDRAM	-	-	-
DIMM / MemorySocket	2x DDR4 SO-DIMM	2x DDR4 SO-DIMM	2x DDR4 SO-DIMM
Compact Flash	-	-	-
SD	-	-	-
HDD	1x 2,5" HDD (SATA 3.0)	1x 2,5" HDD (SATA 3.0)	1x 2,5" HDD (SATA 3.0)
HD SATA	1x mSATA (SATA 3.0)	1x mSATA (SATA 3.0)	1x mSATA (SATA 3.0)
Removeable Storage	-	-	-
Graphic Interface	1x DVI-D DVI, 1x HDMI, 1x DisplayPort	1x DVI-D DVI, 1x HDMI, 1x DisplayPort	1x DVI-D DVI, 1x HDMI, 1x DisplayPort
Interface COM	2x RS232/422/485	2x RS232/422/485	2x RS232/422/485
CAN	-	-	-
Galvanic Isolation	-	-	-
Interface USB	2x USB 2.0, 4x USB 3.0	2x USB 2.0, 4x USB 3.0	2x USB 2.0, 4x USB 3.0
Interface IEEE1394	-	-	-
Interface LAN	3x 10/100/1000 BASE-T, optional WLAN	3x 10/100/1000 BASE-T, optional WLAN	3x 10/100/1000 BASE-T, optional WLAN
Interface IO	-	-	-
Mini PCIe	2x internal	2x internal	2x internal
Mini PCI	-	-	-
Camera	-	-	-
Video Input	-	-	-
Resolution	-	-	-
Encoding	-	-	-
Decoding/Playback	-	-	-
Bluetooth	-	-	-
eSATA	-	-	-
Audio	1x Line-Out and 1x Mic-In	1x Line-Out and 1x Mic-In	1x Line-Out and 1x Mic-In
Headphone	-	-	-
SIM Card	1x	1x	1x
GPS	-	-	-
Mobile Communication 2G	-	-	-
Mobile Communication 3G	-	-	-
PCI	-	2x PCI	1x PCI
PCIe	2x PCIe x4	-	1x PCIe x4
PCI/104	-	-	-
Operating System	-	-	-
Operating System Support	Windows 7 / 8.1 (32bits and 64bits) / 10 (64 bits)	Windows 7 / 8.1 (32bits and 64bits) / 10 (64 bits)	Windows 7 / 8.1 (32bits and 64bits) / 10 (64 bits)
Input Voltage Nominal	-	-	-
Input Voltage Min/Max	+9 to +30VDC	+9 to +30VDC	+9 to +30VDC
Output Voltage Nominal	-	-	-
Output Voltage Min/Max	-	-	-
Input Current	-	-	-
Input Power	-	-	-
Battery	-	-	-
Operating Temperature	-5°C to 55°C	-5°C to 55°C	-5°C to 55°C
Extended Operating Temperature	-	-	-
Storage Temperature	-20°C to 85°C	-20°C to 85°C	-20°C to 85°C
Relative Humidity	10% to 93%, Non-Condensing	10% to 93%, Non-Condensing	10% to 93%, Non-Condensing
Protection	Shock + Vibration protection	Shock + Vibration protection	Shock + Vibration protection
Certification	EN61000-6-2 / EN61000-6-4 CE, Class A FCC	EN61000-6-2 / EN61000-6-4 CE, Class A FCC	EN61000-6-2 / EN61000-6-4 CE, Class A FCC
Dimensions	215 x 272 x 114 mm (W x D x H) without wall mount bracket	215 x 272 x 114 mm (W x D x H) without wall mount bracket	215 x 272 x 114 mm (W x D x H) without wall mount bracket
Weight	5 kg	5 kg	5 kg
Material	Aluminum and Metal Chassis	Aluminum and Metal Chassis	Aluminum and Metal Chassis
Typ. Application	Industrial	Industrial	Industrial

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Selection Guide Industrial Box-PC / IoT Gateways



Fanless Box-PC 3800E2



Fanless Box-PC 3800P2



Fanless Box-PC 3800P2E

Bestellinformation

Artikel-Nr. PKBX5191
Fanless Box-PC 3800E2 Barebone w/o CPU,
DVI-D, DP, HDMI, 6x USB, 3x GbE LAN, 2x PCIe
x4

Artikel-Nr. PKBX5191-1
Fanless Box-PC 3800E2, Intel Core i7-6700TE
2.4GHz , DVI-D, DP, HDMI, 6x USB, 3x GbE LAN,
2x PCIe x4

Artikel-Nr. PKBX5191-2
Fanless Box-PC 3800E2, Intel Core i5-6500TE
2.3GHz , DVI-D, DP, HDMI, 6x USB, 3x GbE LAN,
2x PCIe x4

Artikel-Nr. PKBX5191-3
Fanless Box-PC 3800E2, Intel Core i3-6100TE
2.7GHz , DVI-D, DP, HDMI, 6x USB, 3x GbE LAN,
2x PCIe x4

Artikel-Nr. PKBX5191-4
Fanless Box-PC 3800E2, Pentium G4400TE
2.4GHz, DVI-D, DP, HDMI, 6x USB, 3x GbE LAN,
2x PCIe x4

Artikel-Nr. PKBX5191-5
Fanless Box-PC 3800E2, Celeron G3900TE
2.3GHz, DVI-D, DP, HDMI, 6x USB, 3x GbE LAN,
2x PCIe x4

Artikel-Nr. PKBX5192
Fanless Box-PC 3800P2 Barebone w/o CPU,
DVI-D, DP, HDMI, 6x USB, 3x GbE LAN, 2x PCI

Artikel-Nr. PKBX5192-1
Fanless Box-PC 3800P2, Intel Core i7-6700TE
2.4GHz , DVI-D, DP, HDMI, 6x USB, 3x GbE LAN,
2x PCI

Artikel-Nr. PKBX5192-2
Fanless Box-PC 3800P2, Intel Core i5-6500TE
2.3GHz, DVI-D, DP, HDMI, 6x USB, 3x GbE LAN,
2x PCI

Artikel-Nr. PKBX5192-3
Fanless Box-PC 3800P2, Intel Core i3-6100TE
2.7GHz , DVI-D, DP, HDMI, 6x USB, 3x GbE LAN,
2x PCI

Artikel-Nr. PKBX5192-4
Fanless Box-PC 3800P2, Pentium G4400TE
2.4GHz, DVI-D, DP, HDMI, 6x USB, 3x GbE LAN,
2x PCI

Artikel-Nr. PKBX5192-5
Fanless Box-PC 3800P2, Celeron G3900TE
2.3GHz, DVI-D, DP, HDMI, 6x USB, 3x GbE LAN,
2x PCI

Artikel-Nr. PKBX5193
Fanless Box-PC 3800P2E Barebone w/o CPU,
DVI-D, DP, HDMI, 6x USB, 3x GbE LAN, 1x PCIe
x4 + 1x PCI

Artikel-Nr. PKBX5193-1
Fanless Box-PC 3800P2E, Intel Core i7-6700TE
2.4GHz, DVI-D, DP, HDMI, 6x USB, 3x GbE LAN,
1x PCIe x4 + 1x PCI

Artikel-Nr. PKBX5193-2
Fanless Box-PC 3800P2E, Intel Core i5-6500TE
2.3GHz, DVI-D, DP, HDMI, 6x USB, 3x GbE LAN,
1x PCIe x4 + 1x PCI

Artikel-Nr. PKBX5193-3
Fanless Box-PC 3800P2E, Intel Core i3-6100TE
2.7GHz, DVI-D, DP, HDMI, 6x USB, 3x GbE LAN,
1x PCIe x4 + 1x PCI

Artikel-Nr. PKBX5193-4
Fanless Box-PC 3800P2E, Pentium G4400TE
2.4GHz , DVI-D, DP, HDMI, 6x USB, 3x GbE LAN,
1x PCIe x4 + 1x PCI

Artikel-Nr. PKBX5193-5
Fanless Box-PC 3800P2E, Celeron G3900TE
2.3GHz, DVI-D, DP, HDMI, 6x USB, 3x GbE LAN,
1x PCIe x4 + 1x PCI

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Selection Guide Industrial Box-PC / IoT Gateways



Fanless Box-PC 3800E-H110



Fanless Box-PC 3800R



Fanless Box-PC 4200

Cooling System	Fanless	Fanless	Fanless
Mounting System	Wall Mount	Wall Mount	Wall Mount
CPU	6th generation Intel® Core i7 / i5 / i3 / Pentium® G4400TE / Celeron® G3900TE LGA socket type embedded processor	6th generation Intel® Core i7 / i5 / i3 / Pentium® G4400TE / Celeron® G3900TE LGA socket type embedded processor	6th gen. Intel® Core i5-6442EQ / i3-6102E BGA type embedded processor
CPU Socket	-	-	-
Chipset	Intel® H110 PCH	Intel® Q170 PCH	Intel® QM170 / HM170 PCH
BIOS	-	-	-
Watchdog Timer	-	-	-
Controller	-	-	-
Basic Equipment	-	-	-
Maximum Equipment	16GB	16GB	32GB
DRAM	-	-	-
SDRAM	-	-	-
DIMM / MemorySocket	2x DDR4 SO-DIMM	2x DDR4 SO-DIMM	2x DDR4 SO-DIMM
Compact Flash	-	-	-
SD	-	-	-
HDD	1x 2,5" HDD (SATA 3.0)	2x 2,5" HDD (SATA 3.0)	2,5" HDD (SATA 3.0)
HD SATA	1x mSATA (internal mini-PCIe socket)	1x mSATA (SATA 3.0)	mSATA (SATA 3.0)
Removeable Storage	-	-	-
Graphic Interface	1x DVI-D DVI, 1x HDMI	1x DVI-D DVI, 1x HDMI, 1x DisplayPort	1x DVI, 2x DisplayPort
Interface COM	2x RS232/422/485	2x RS232/422/485	4x RS232, 2x RS232/422/485
CAN	-	-	-
Galvanic Isolation	-	-	-
Interface USB	2x USB 2.0, 4x USB 3.0	2x USB 2.0, 4x USB 3.0	2x USB 2.0, 4x USB 3.0
Interface IEEE1394	-	-	-
Interface LAN	2x 10/100/1000 BASE-T, optional WLAN	3x 10/100/1000 BASE-T, optional WLAN	2x 10/100/1000 BASE-T, optional WLAN
Interface IO	-	-	8x GPI, 8x GPO GPIO
Mini PCIe	2x internal	2x internal	2x mini-PCIe socket
Mini PCI	-	-	-
Camera	-	-	-
Video Input	-	-	-
Resolution	-	-	-
Encoding	-	-	-
Decoding/Playback	-	-	-
Bluetooth	-	-	-
eSATA	-	-	-
Audio	1x Line-Out and 1x Mic-In	1x Line-Out and 1x Mic-In	1x Line-out
Headphone	-	-	-
SIM Card	1x	1x	1x SIM card holder
GPS	-	-	-
Mobile Communication 2G	-	-	-
Mobile Communication 3G	-	-	-
PCI	-	-	-
PCIe	1x PCIe x4	-	-
PCI/104	-	-	-
Operating System	-	-	-
Operating System Support	Windows 7 / 8.1 (32bits and 64bits) / 10 (64 bits)	Windows 7 / 8.1 (32bits and 64bits) / 10 (64 bits)	WINDOWS 10 / 7
Input Voltage Nominal	-	-	-
Input Voltage Min/Max	+9 to +30VDC	+9 to +30VDC	12VDC and 24VDC +/-20%
Output Voltage Nominal	-	-	-
Output Voltage Min/Max	-	-	-
Input Current	-	-	-
Input Power	-	-	-
Battery	-	-	-
Operating Temperature	-5°C to 55°C	-5°C to 55°C	-20°C to +70°C
Extended Operating Temperature	-	-	-
Storage Temperature	-20°C to 85°C	-20°C to 85°C	-20°C to 80°C
Relative Humidity	10% to 93%, Non-Condensing	10% to 93%, Non-Condensing	10% to 93% (non-Condensing)
Protection	Shock + Vibration protection	Shock + Vibration protection	Shock + Vibration protection
Certification	EN61000-6-2 / EN61000-6-4 CE, Class A FCC	EN61000-6-2 / EN61000-6-4 CE, Class A FCC	CE, Class A FCC
Dimensions	215 x 272 x 93 mm (W x D x H) without wall mount bracket	215 x 272 x 93 mm (W x D x H) without wall mount bracket	269 x 157 x 56 mm (W x H x D), without wall-mount bracket
Weight	4,5 kg	4,5 kg	2,1 kg
Material	Aluminum and Metal Chassis	Aluminum and Metal Chassis	Aluminum chassis
Typ. Application	Industrial	Industrial	Industrial

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Selection Guide Industrial Box-PC / IoT Gateways



Fanless Box-PC 3800E-H110



Fanless Box-PC 3800R



Fanless Box-PC 4200

Bestellinformation

Artikel-Nr. PKBX5194

Fanless Box-PC 3800E-H110 Barebone w/o CPU,
DVI-D, HDMI, 6x USB, 2x GbE LAN, 1x PCIe x4

Artikel-Nr. PKBX5194-1

Fanless Box-PC 3800E-H110, Intel Core
i7-6700TE 2.4GHz, DVI-D, HDMI, 6x USB, 2x GbE
LAN, 1x PCIe x4

Artikel-Nr. PKBX5194-2

Fanless Box-PC 3800E-H110, Intel Core
i5-6500TE 2.3GHz, DVI-D, HDMI, 6x USB, 2x
GbE LAN, 1x PCIe x4

Artikel-Nr. PKBX5194-3

Fanless Box-PC 3800E-H110, Intel Core
i3-6100TE 2.7GHz, DVI-D, HDMI, 6x USB, 2x GbE
LAN, 1x PCIe x4

Artikel-Nr. PKBX5194-4

Fanless Box-PC 3800E-H110, Pentium G4400TE
2.4GHz, DVI-D, HDMI, 6x USB, 2x GbE LAN, 1x
PCIe x4

Artikel-Nr. PKBX5194-5

Fanless Box-PC 3800E-H110, Celeron G3900TE
2.3GHz, DVI-D, HDMI, 6x USB, 2x GbE LAN, 1x
PCIe x4

Artikel-Nr. PKBX5195

Fanless Box-PC 3800R Barebone w/o CPU,
DVI-D, DP, HDMI, 6x USB, 3x GbE LAN, 2x 2,5"
HDDs

Artikel-Nr. PKBX5195-1

Fanless Box-PC 3800R, Intel Core i7-6700TE
2.4GHz, DVI-D, DP, HDMI, 6x USB, 3x GbE LAN,
2x 2,5" HDDs

Artikel-Nr. PKBX5195-2

Fanless Box-PC 3800R, Intel Core i5-6500TE
2.3GHz, DVI-D, DP, HDMI, 6x USB, 3x GbE LAN,
2x 2,5" HDDs

Artikel-Nr. PKBX5195-3

Fanless Box-PC 3800R, Intel Core i3-6100TE
2.7GHz, DVI-D, DP, HDMI, 6x USB, 3x GbE LAN,
2x 2,5" HDDs

Artikel-Nr. PKBX5195-4

Fanless Box-PC 3800R, Pentium G4400TE
2.4GHz, DVI-D, DP, HDMI, 6x USB, 3x GbE LAN,
2x 2,5" HDDs

Artikel-Nr. PKBX5195-5

Fanless Box-PC 3800R, Celeron G3900TE
2.3GHz, DVI-D, DP, HDMI, 6x USB, 3x GbE LAN,
2x 2,5" HDDs

Artikel-Nr. PKBX5185

Fanless Box-PC 4200Q w/ IntelCore i5-6442EQ
1.9GHz, 2x GbE + iAMT support, 6x COM, 6x
USB, 2x DP, DVI-D

Artikel-Nr. PKBX5186

Fanless Box-PC 4200H w/ IntelCore i3-6102E
1.9GHz, 2x GbE, 6x COM, 6x USB, 2x DP, DVI-D

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Selection Guide Industrial Box-PC / IoT Gateways



Fanless Box-PC 4300



Factory Automation Box-PC 300



Factory Automation Box-PC 300P2

Cooling System	Fanless	Fanless; 2x opening for optional Fan modules	Fanless; 2x opening for optional Fan modules
Mounting System	Wall Mount	Wall Mount	Wall Mount
CPU	6th generation Intel® Core i5-6300U / i3-6100U Dual Core BGA type processor	Support Intel® Core i7 / i5 / i3 / Pentium / Celeron 6th gen. (Skylake) LGA1151 socket type processors	Support Intel® Core i7 / i5 / i3 / Pentium / Celeron 6th gen. (Skylake) LGA1151 socket type processors
CPU Socket	-	-	-
Chipset	-	Intel® Q170 PCH	Intel® Q170 PCH
BIOS	-	-	-
Watchdog Timer	-	-	-
Controller	-	-	-
Basic Equipment	-	-	-
Maximum Equipment	16GB	Up to 8GB	Up to 8GB
DRAM	-	-	-
SDRAM	-	-	-
DIMM / MemorySocket	2x DDR3L SO-DIMM	2x DDR4 SO-DIMM	2x DDR4 SO-DIMM
Compact Flash	-	-	-
SD	-	-	-
HDD	1x 2.5" HDD or SSD	-	-
HD SATA	-	1x 2.5" HDD (external, SATA 3.0), 1x 2.5" HDD (internal, SATA 3.0), 1x mSATA (via internal Mini-PCIe socket)	1x 2.5" HDD (external, SATA 3.0), 1x 2.5" HDD (internal, SATA 3.0), 1x mSATA (via internal Mini-PCIe socket)
Removeable Storage	-	-	-
Graphic Interface	2x DisplayPort, 1x (internal, with Panel-PC) LCD-LVDS	1x DVI-D DVI, 1x HDMI	1x DVI-D DVI, 1x HDMI
Interface COM	2x RS232, 1x RS232/422/485	2x RS232/422/485 auto with 2.5KV Isolation	2x RS232/422/485 auto with 2.5KV Isolation
CAN	-	-	-
Galvanic Isolation	-	-	-
Interface USB	2x USB 2.0, 2x USB 3.0	2x USB 2.0, 4x USB 3.0	2x USB 2.0, 4x USB 3.0
Interface IEEE1394	-	-	-
Interface LAN	2x 10/100/1000 BASE-T, optional WLAN	3x 10/100/1000 BASE-T	3x 10/100/1000 BASE-T
Interface IO	GPIO	4x GPO GPIO	4x GPO GPIO
Mini PCIe	1x	-	-
Mini PCI	-	-	-
Camera	-	-	-
Video Input	-	-	-
Resolution	-	-	-
Encoding	-	-	-
Decoding/Playback	-	-	-
Bluetooth	-	-	-
eSATA	-	-	-
Audio	-	1x Line-out and 1x Mic-in	1x Line-out and 1x Mic-in
Headphone	-	-	-
SIM Card	-	1x	1x
GPS	-	-	-
Mobile Communication 2G	-	GSM+GPRS	GSM+GPRS
Mobile Communication 3G	-	-	-
PCI	-	-	2x
PCIe	-	1x Mini-PCIe expansion support optional modules	1x Mini-PCIe expansion support optional modules
PCI/104	-	-	-
Operating System	-	Windows 7 (32bits and 64bits), Windows 8.1 (32 bits and 64 bits)	Windows 7 (32bits and 64bits), Windows 8.1 (32 bits and 64 bits)
Operating System Support	WINDOWS 10 IoT / 7 Pro / WES7P	-	-
Input Voltage Nominal	24VDC	+24VDC +/- 20%	+24VDC +/- 20%
Input Voltage Min/Max	-	-	-
Output Voltage Nominal	-	-	-
Output Voltage Min/Max	-	-	-
Input Current	-	-	-
Input Power	-	-	-
Battery	-	-	-
Operating Temperature	0°C to +50°C	-5°C to +55°C	-5°C to +55°C
Extended Operating Temperature	-	-	-
Storage Temperature	-20°C to +80°C	-20°C to +85°C	-20°C to +85°C
Relative Humidity	10% to 90% (non-condensing)	10% to 93% (non-condensing)	10% to 93% (non-condensing)
Protection	Vibration & Shock	Shock + Vibration protection	Shock + Vibration protection
Certification	CE, Class A FCC	(EN61000-6-2 + EN61000-6-4) CE, Class A FCC	(EN61000-6-2 + EN61000-6-4) CE, Class A FCC
Dimensions	238 x 145 x 54 mm (W x D x H), without wall-mount bracket	90 x 185 x 251 mm (W x D x H)	155 x 185 x 251 mm (W x D x H)
Weight	1,8 kg	-	-
Material	Aluminum and metal chassis	Aluminum and metal chassis with front access design	Aluminum and metal chassis with front access design
Typ. Application	Industrial	Industrial	Industrial

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Selection Guide Industrial Box-PC / IoT Gateways



Fanless Box-PC 4300



Factory Automation Box-PC 300



Factory Automation Box-PC 300P2

Bestellinformation

Artikel-Nr. PKBX5187

Fanless Box-PC 4300-6300U w/ IntelCore
i5-6300U 2.4GHz, 2x GbE, 3x COM, 4x USB, 2x
DP, 1x LVDS (internal)

Artikel-Nr. PKBX5188

Fanless Box-PC 4300-6100U w/ IntelCore
i3-6100U 2.3GHz, 2x GbE, 3x COM, 4x USB, 2x
DP, 1x LVDS (internal)

Artikel-Nr. PKBF1300

Factory Automation Box-PC 300, Barebone, 2x
RS232/422/485, 3x LAN, DVI-D+HDMI

Artikel-Nr. PKBF1300-1

Factory Automation Box-PC 300, IntelCore
i7-6700TE, 2x RS232/422/485, 3x LAN,
DVI-D+HDMI

Artikel-Nr. PKBF1300-2

Factory Automation Box-PC 300, IntelCore
i5-6500TE, 2x RS232/422/485, 3x LAN,
DVI-D+HDMI

Artikel-Nr. PKBF1300-3

Factory Automation Box-PC 300, IntelCore
i3-6100TE, 2x RS232/422/485, 3x LAN,
DVI-D+HDMI

Artikel-Nr. PKBF1300-8

Factory Automation Box-PC 300, Intel Pentium
G4400TE, 2x RS232/422/485, 3x LAN, DVI-D +
HDMI

Artikel-Nr. PKBF1300-9

Factory Automation Box-PC 300, Intel Celeron
G3900TE, 2x RS232/422/485, 3x LAN, DVI-D +
HDMI

Artikel-Nr. PKBF1301

Factory Automation Box-PC 300P2, Barebone, 2x
RS232/422/485, 3x LAN, DVI-D+HDMI, 2x PCI

Artikel-Nr. PKBF1301-1

Factory Automation Box-PC 300P2, IntelCore
i7-6700TE, 2x RS232/422/485, 3x LAN,
DVI-D+HDMI, 2x PCI

Artikel-Nr. PKBF1301-2

Factory Automation Box-PC 300P2, IntelCore
i5-6500TE, 2x RS232/422/485, 3x LAN,
DVI-D+HDMI, 2x PCI

Artikel-Nr. PKBF1301-3

Factory Automation Box-PC 300P2, IntelCore
i3-6100TE, 2x RS232/422/485, 3x LAN,
DVI-D+HDMI, 2x PCI

Artikel-Nr. PKBF1301-8

Factory Automation Box-PC 300P2, IntelPentium
G4400TE, 2x RS232/422/485, 3x LAN, DVI-D +
HDMI, 2x PCI

Artikel-Nr. PKBF1301-9

Factory Automation Box-PC 300P2, IntelCeleron
G3900TE, 2x RS232/422/485, 3x LAN, DVI-D +
HDMI, 2x PCI

Artikel-Nr.

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Factory Automation Box-PC 300P2E



Factory Automation Box-PC 300P3



Factory Automation Box-PC 300E16

Cooling System	Fanless	Fanless; 2x opening for optional Fan modules	Fanless; 2x Fan modules pre-installed
Mounting System	Wall Mount	Wall Mount	Wall Mount
CPU	Support Intel® Core i7 / i5 / i3 / Pentium / Celeron 6th gen. (Skylake) LGA1151 socket type processors	Support Intel® Core i7 / i5 / i3 / Pentium / Celeron 6th gen. (Skylake) LGA1151 socket type processors	Support Intel® Core i7 / i5 / i3 / Pentium / Celeron 6th gen. (Skylake) LGA1151 socket type processors
CPU Socket	-	-	-
Chipset	Intel® Q170 PCH	Intel® Q170 PCH	Intel® Q170 PCH
BIOS	-	-	-
Watchdog Timer	-	-	-
Controller	-	-	-
Basic Equipment	-	-	-
Maximum Equipment	Up to 8GB	Up to 8GB	Up to 8GB
DRAM	-	-	-
SDRAM	-	-	-
DIMM / MemorySocket	2x DDR4 SO-DIMM	2x DDR4 SO-DIMM	2x DDR4 SO-DIMM
Compact Flash	-	-	-
SD	-	-	-
HDD	-	-	-
HD SATA	1x 2.5" HDD (external, SATA 3.0), 1x 2.5" HDD (internal, SATA 3.0), 1x mSATA (via internal Mini-PCIe socket)	1x 2.5" HDD (external, SATA 3.0), 1x 2.5" HDD (internal, SATA 3.0), 1x mSATA (via internal Mini-PCIe socket)	1x 2.5" HDD (external, SATA 3.0), 1x 2.5" HDD (internal, SATA 3.0), 1x mSATA (via internal Mini-PCIe socket)
Removeable Storage	-	-	-
Graphic Interface	1x DVI-D DVI, 1x HDMI	1x DVI-D DVI, 1x HDMI	1x DVI-D DVI, 1x HDMI
Interface COM	2x RS232/422/485 auto with 2.5KV Isolation	2x RS232/422/485 auto with 2.5KV Isolation	2x RS232/422/485 auto with 2.5KV Isolation
CAN	-	-	-
Galvanic Isolation	-	-	-
Interface USB	2x USB 2.0, 4x USB 3.0	2x USB 2.0, 4x USB 3.0	2x USB 2.0, 4x USB 3.0
Interface IEEE1394	-	-	-
Interface LAN	3x 10/100/1000 BASE-T	3x 10/100/1000 BASE-T	3x 10/100/1000 BASE-T
Interface IO	4x GPO GPIO	4x GPO GPIO	4x GPO GPIO
Mini PCIe	-	-	-
Mini PCI	-	-	-
Camera	-	-	-
Video Input	-	-	-
Resolution	-	-	-
Encoding	-	-	-
Decoding/Playback	-	-	-
Bluetooth	-	-	-
eSATA	-	-	-
Audio	1x Line-out and 1x Mic-in	1x Line-out and 1x Mic-in	1x Line-out and 1x Mic-in
Headphone	-	-	-
SIM Card	1x	1x	1x
GPS	-	-	-
Mobile Communication 2G	GSM+GPRS	GSM+GPRS	GSM+GPRS
Mobile Communication 3G	-	-	-
PCI	1x	2x	-
PCIe	1x PCIe x8, 1x Mini-PCIe expansion support optional modules	1x PCIe x8, 1x Mini-PCIe expansion support optional modules	1x PCIe x16, 1x Mini-PCIe expansion support optional modules
PCI/104	-	-	-
Operating System	Windows 7 (32bits and 64bits), Windows 8.1 (32 bits and 64 bits)	Windows 7 (32bits and 64bits), Windows 8.1 (32 bits and 64 bits)	Windows 7 (32bits and 64bits), Windows 8.1 (32 bits and 64 bits)
Operating System Support	-	-	-
Input Voltage Nominal	+24VDC +/- 20%	+24VDC +/- 20%	+24VDC +/- 20%
Input Voltage Min/Max	-	-	-
Output Voltage Nominal	-	-	-
Output Voltage Min/Max	-	-	-
Input Current	-	-	-
Input Power	-	-	-
Battery	-	-	-
Operating Temperature	-5°C to +55°C	-5°C to +55°C	-5°C to +55°C
Extended Operating Temperature	-	-	-
Storage Temperature	-20°C to +85°C	-20°C to +85°C	-20°C to +85°C
Relative Humidity	10% to 93% (non-condensing)	10% to 93% (non-condensing)	10% to 93% (non-condensing)
Protection	Shock + Vibration protection	Shock + Vibration protection	Shock + Vibration protection
Certification	(EN61000-6-2 + EN61000-6-4) CE, Class A FCC	(EN61000-6-2 + EN61000-6-4) CE, Class A FCC	(EN61000-6-2 + EN61000-6-4) CE, Class A FCC
Dimensions	155 x 185 x 251 mm (W x D x H)	175 x 185 x 251 mm (W x D x H)	155 x 185 x 251 mm (W x D x H)
Weight	-	-	-
Material	Aluminum and metal chassis with front access design	Aluminum and metal chassis with front access design	Aluminum and metal chassis with front access design
Typ. Application	Industrial	Industrial	Industrial

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Factory Automation Box-PC 300P2E



Factory Automation Box-PC 300P3



Factory Automation Box-PC 300E16

Bestellinformation			
Artikel-Nr. PKBF1302 Factory Automation Box-PC 300P2E, Barebone, 2x RS232/422/485, 3x LAN, DVI-D + HDMI, 1x PCI + 1x PCIe x8	Artikel-Nr. PKBF1304 Factory Automation Box-PC 300P3, Barebone, 2x RS232/422/485, 3x LAN, DVI-D+HDMI, 2x PCI + 1x PCIe x8	Artikel-Nr. PKBF1303 Factory Automation Box-PC 300E16, Barebone, 2x RS232/422/485, 3x LAN, DVI-D + HDMI, 1x PCIe x16	
Artikel-Nr. PKBF1302-1 Factory Automation Box-PC 300P2E, IntelCore i7-6700TE, 2x RS232/422/485, 3x LAN, DVI-D + HDMI, 1x PCI + 1x PCIe x8	Artikel-Nr. PKBF1304-1 Factory Automation Box-PC 300P3, IntelCore i7-6700TE, 2x RS232/422/485, 3x LAN, DVI-D+HDMI, 2x PCI + 1x PCIe x8	Artikel-Nr. PKBF1303-1 Factory Automation Box-PC 300E16, IntelCore i7-6700TE, 2x RS232/422/485, 3x LAN, DVI-D + HDMI, 1x PCIe x16	
Artikel-Nr. PKBF1302-2 Factory Automation Box-PC 300P2E, IntelCore i5-6500TE, 2x RS232/422/485, 3x LAN, DVI-D + HDMI, 1x PCI + 1x PCIe x8	Artikel-Nr. PKBF1304-2 Factory Automation Box-PC 300P3, IntelCore i5-6500TE, 2x RS232/422/485, 3x LAN, DVI-D+HDMI, 2x PCI + 1x PCIe x8	Artikel-Nr. PKBF1303-2 Factory Automation Box-PC 300E16, IntelCore i5-6500TE, 2x RS232/422/485, 3x LAN, DVI-D + HDMI, 1x PCIe x16	
Artikel-Nr. PKBF1302-3 Factory Automation Box-PC 300P2E, IntelCore i3-6100TE, 2x RS232/422/485, 3x LAN, DVI-D + HDMI, 1x PCI + 1x PCIe x8	Artikel-Nr. PKBF1304-3 Factory Automation Box-PC 300P3, IntelCore i3-6100TE, 2x RS232/422/485, 3x LAN, DVI-D+HDMI, 2x PCI + 1x PCIe x8	Artikel-Nr. PKBF1303-3 Factory Automation Box-PC 300E16, IntelCore i3-6100TE, 2x RS232/422/485, 3x LAN, DVI-D + HDMI, 1x PCIe x16	
Artikel-Nr. PKBF1302-8 Factory Automation Box-PC 300P2E, IntelPentium G4400TE, 2x RS232/422/485, 3x LAN, DVI-D + HDMI, 1x PCI + 1x PCIe x8	Artikel-Nr. PKBF1304-8 Factory Automation Box-PC 300P3, IntelPentium G4400TE, 2x RS232/422/485, 3x LAN, DVI-D + HDMI, 2x PCI + 1x PCIe x8	Artikel-Nr. PKBF1303-8 Factory Automation Box-PC 300E16, IntelPentium G4400TE, 2x RS232/422/485, 3x LAN, DVI-D + HDMI, 1x PCIe x16	
Artikel-Nr. PKBF1302-9 Factory Automation Box-PC 300P2E, IntelCeleron G3900TE, 2x RS232/422/485, 3x LAN, DVI-D + HDMI, 1x PCI + 1x PCIe x8	Artikel-Nr. PKBF1304-9 Factory Automation Box-PC 300P3, IntelCeleron G3900TE, 2x RS232/422/485, 3x LAN, DVI-D + HDMI, 2x PCI + 1x PCIe x8	Artikel-Nr. PKBF1303-9 Factory Automation Box-PC 300E16, IntelCeleron G3900TE, 2x RS232/422/485, 3x LAN, DVI-D + HDMI, 1x PCIe x16	
Artikel-Nr.		Artikel-Nr.	

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Factory Automation Box-PC 300E3



Factory Automation Box-PC 105



Factory Automation Box-PC 105W

Cooling System	Fanless; 2x opening for optional Fan modules	Fanless	Fanless
Mounting System	Wall Mount	Wall Mount	Wall Mount
CPU	Support Intel® Core i7 / i5 / i3 / Pentium / Celeron 6th gen. (Skylake) LGA1151 socket type processors	Onboard Intel® Atom x5-E3930 Apollo Lake Dual Core 1.8GHz processor	Onboard Intel® Atom x5-E3930 Apollo Lake Dual Core 1.8GHz processor
CPU Socket	-	-	-
Chipset	Intel® Q170 PCH	-	-
BIOS	-	-	-
Watchdog Timer	-	-	-
Controller	-	-	-
Basic Equipment	-	4GB	4GB
Maximum Equipment	Up to 8GB	-	-
DRAM	-	-	-
SDRAM	-	-	-
DIMM / MemorySocket	2x DDR4 SO-DIMM	DDR3L SO-DIMM	DDR3L SO-DIMM
Compact Flash	-	-	-
SD	-	1x External SD card slot	1x External SD card slot
HDD	-	-	-
HD SATA	1x 2.5" HDD (external, SATA 3.0), 1x 2.5" HDD (internal, SATA 3.0), 1x mSATA (via internal Mini-PCIe socket)	Optional mSATA module, Onboard 16GB eMMC	Optional mSATA module, Onboard 16GB eMMC
Removeable Storage	-	-	-
Graphic Interface	1x DVI-D DVI, 1x HDMI	1x HDMI	1x HDMI
Interface COM	2x RS232/422/485 auto with 2.5KV Isolation	2x RS232/422/485	2x RS232/422/485
CAN	-	-	-
Galvanic Isolation	-	-	-
Interface USB	2x USB 2.0, 4x USB 3.0	4x USB 3.0	4x USB 3.0
Interface IEEE1394	-	-	-
Interface LAN	3x 10/100/1000 BASE-T	2x 10/100/1000 BASE-T, Optional WLAN	2x 10/100/1000 BASE-T, Optional WLAN
Interface IO	4x GPO GPIO	1x Optional DB9, support 4x GPI and 4x GPO GPIO	1x Optional DB9, support 4x GPI and 4x GPO GPIO
Mini PCIe	-	2x	2x
Mini PCI	-	-	-
Camera	-	-	-
Video Input	-	-	-
Resolution	-	-	-
Encoding	-	-	-
Decoding/Playback	-	-	-
Bluetooth	-	-	-
eSATA	-	-	-
Audio	1x Line-out and 1x Mic-in	-	-
Headphone	-	-	-
SIM Card	1x	1x SIM card slot	1x SIM card slot
GPS	-	-	-
Mobile Communication 2G	GSM+GPRS	-	-
Mobile Communication 3G	-	-	-
PCI	-	-	-
PCIe	1x PCIe x8 + 2x PCIe x4, 1x Mini-PCIe expansion support optional modules	-	-
PCI/104	-	-	-
Operating System	Windows 7 (32bits and 64bits), Windows 8.1 (32 bits and 64 bits)	-	-
Operating System Support	-	Windows 10 Enterprise (32-bit / 64-bit)	Windows 10 Enterprise (64-bit)
Input Voltage Nominal	+24VDC +/- 20%	+24VDC +/- 20%	+24VDC +/- 20%
Input Voltage Min/Max	-	-	-
Output Voltage Nominal	-	-	-
Output Voltage Min/Max	-	-	-
Input Current	-	-	-
Input Power	-	-	-
Battery	-	-	-
Operating Temperature	-5°C to +55°C	-5°C to 55°C	-10°C to 60°C
Extended Operating Temperature	-	-	-
Storage Temperature	-20°C to +85°C	-20°C to 75°C	-20°C to 75°C
Relative Humidity	10% to 93% (non-condensing)	10% to 93% (non-condensing)	10% to 93% (non-condensing)
Protection	Shock + Vibration protection	Shock + Vibration protection	Shock + Vibration protection
Certification	(EN61000-6-2 + EN61000-6-4) CE, Class A FCC	(EN61000-6-2 + EN61000-6-4) CE, Class A FCC	(EN61000-6-2 + EN61000-6-4) CE, Class A FCC
Dimensions	175 x 185 x 251 mm (W x D x H)	46,2 x 100 x 120 mm (W x D x H)	78,2 x 100 x 120 mm (W x D x H)
Weight	-	-	-
Material	Aluminum and metal chassis with front access design	Aluminum and metal chassis	Aluminum and metal chassis
Typ. Application	Industrial	Industrial	Industrial

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Factory Automation Box-PC 300E3



Factory Automation Box-PC 105



Factory Automation Box-PC 105W

Bestellinformation	Artikel-Nr. PKBF1305 Factory Automation Box-PC 300E3, Barebone , 2x RS232/422/485, 3x LAN, DVI-D + HDMI, 1x PCIe + 2x PCIe x4 Artikel-Nr. PKBF1305-1 Factory Automation Box-PC 300E3, IntelCore i7-6700TE, 2x RS232/422/485, 3x LAN, DVI-D + HDMI, 1x PCIe + 2x PCIe x4 Artikel-Nr. PKBF1305-2 Factory Automation Box-PC 300E3, IntelCore i5-6500TE, 2x RS232/422/485, 3x LAN, DVI-D + HDMI, 1x PCIe + 2x PCIe x4 Artikel-Nr. PKBF1305-3 Factory Automation Box-PC 300E3, IntelCore i3-6100TE, 2x RS232/422/485, 3x LAN, DVI-D + HDMI, 1x PCIe + 2x PCIe x4 Artikel-Nr. PKBF1305-8 Factory Automation Box-PC 300E3, IntelPentium G4400TE, 2x RS232/422/485, 3x LAN, DVI-D + HDMI, 1x PCIe + 2x PCIe x4 Artikel-Nr. PKBF1305-9 Factory Automation Box-PC 300E3, IntelCeleron G3900TE, 2x RS232/422/485, 3x LAN, DVI-D + HDMI, 1x PCIe + 2x PCIe x4	Artikel-Nr. PKBF1110 Factory Automation Box-PC 105, Intel Atom x5-E3930 Dual Core 1.8GHz, 2x RS232/422/485, 2x GbE LAN, HDMI, 2x miniPCIe	Artikel-Nr. PKBF1111 Factory Automation Box-PC 105W, Intel Atom x5-E3930 Dual Core 1.8GHz, 2x RS232/422/485, 2x GbE LAN, HDMI, 2x miniPCIe, 1x FBI expansion slot
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Factory Automation Box-PC 104/104M



Factory Automation Box-PC 103



Factory Automation Box-PC 103-IoT Gateway

Cooling System	Fanless	Fanless	Fanless
Mounting System	Wall Mount	Wall Mount	Wall Mount
CPU	Intel Atom® E3826 or Celeron® J1900 processor	Onboard Intel®Atom E3826 Bay Trail Dual Core 1.46GHz processor	Onboard Intel® Atom processor E3826 Dual Core, 1.46GHz
CPU Socket	-	-	-
Chipset	-	-	-
BIOS	-	-	-
Watchdog Timer	-	-	-
Controller	-	-	-
Basic Equipment	2GB (E3826) or 4GB (J1900)	2GB	2GB
Maximum Equipment	-	-	-
DRAM	-	-	-
SDRAM	-	-	-
DIMM / MemorySocket	DDR3L SO-DIMM	DDR3L SO-DIMM	On-board 2GB DDR3L RAM
Compact Flash	-	-	-
SD	-	-	-
HDD	-	-	-
HD SATA	Onboard 16GB eMMC (PKBF1106) / Optional mSATA module (PKBF1107)	Optional mSATA module, Onboard 16GB eMMC	16GB mSATA SSD installed
Removeable Storage	-	-	-
Graphic Interface	1x HDMI	1x Micro HDMI DisplayPort (Type D) HDMI	1x micro-HDMI HDMI
Interface COM	1x RS232/485	1x RS232/485	3x DB9
CAN	-	-	-
Galvanic Isolation	-	-	-
Interface USB	1x USB 2.0, 1x USB 3.0	1x USB 2.0, 1x USB 3.0	2x USB 2.0
Interface IEEE1394	-	-	-
Interface LAN	2x 10/100/1000 BASE-T, Optional WLAN	2x 10/100/1000 BASE-T, Optional WLAN	2x 10/100/1000 BASE-T
Interface IO	4x GPI and 4x GPO GPIO	1x 4-in / 4-out 5V GPIO GPIO	1x GPO programmable LED GPIO
Mini PCIe	2x	2x	1x half size mini-PCIe
Mini PCI	-	-	-
Camera	-	-	-
Video Input	-	-	-
Resolution	-	-	-
Encoding	-	-	-
Decoding/Playback	-	-	-
Bluetooth	-	-	-
eSATA	-	-	-
Audio	-	-	-
Headphone	-	-	-
SIM Card	-	-	-
GPS	-	-	-
Mobile Communication 2G	-	-	-
Mobile Communication 3G	-	-	-
PCI	-	-	-
PCIe	-	-	1x half size mini-PCIe socket (for optional Wi-Fi modules)
PCI/104	-	-	-
Operating System	-	-	-
Operating System Support	WINDOWS 10 IoT / WES 7 / Linux Kernel 3.8.0 / Ubuntu 14.04	Windows 8 / WES8 / Windows 7 / WES7, Linux Kernel 3.8.0 - (32bits + 64bits)	Windows 10 IoT Enterprise LTSB Entry, Ubuntu 14.04.5, IoT Studio with dashboard
Input Voltage Nominal	+24VDC +/- 20%	+24VDC +/- 20%	24VDC +/-20%
Input Voltage Min/Max	-	-	-
Output Voltage Nominal	-	-	-
Output Voltage Min/Max	-	-	-
Input Current	-	-	-
Input Power	-	-	-
Battery	-	-	-
Operating Temperature	-5°C to +50°C / -5°C to 55°C	-5°C to 55°C	-
Extended Operating Temperature	-	-	-
Storage Temperature	-20°C to +80°C	-20°C to 75°C	-
Relative Humidity	10% to 93% (non-condensing)	10% to 93% (non-condensing)	-
Protection	Shock + Vibration protection	Shock + Vibration protection	-
Certification	CE, Class A FCC	(EN61000-6-2 + EN61000-6-4) CE, Class A FCC	CE, Class A FCC
Dimensions	56,5 x 100 x 130 mm (W x D x H)	56,5 x 100 x 120 mm (W x D x H)	565 x 100 x 120 mm (W x D x H)
Weight	-	-	-
Material	Aluminum and metal chassis	Aluminum and metal chassis	Aluminum and Metal Chassis
Typ. Application	Industrial	Industrial	Industrial

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Factory Automation Box-PC 104/104M



Factory Automation Box-PC 103



Factory Automation Box-PC 103-IoT Gateway

Bestellinformation	Artikel-Nr. PKBF1106 Factory Automation Box-PC 104, Intel Atom E3826 1.46GHz, 1x RS232/485, 2x GbE, HDMI, 2GB DDR3L, 16GB eMMC Artikel-Nr. PKBF1107 Factory Automation Box-PC 104M, Intel Celeron J1900 2.0GHz, 1x RS232/485, 2x GbE, HDMI, 4GB DDR3L	Artikel-Nr. PKBF1105 Factory Automation Box-PC 103, Intel Atom E3826 Dual Core 1.46GHz, 1x RS232/485, 2x GbE LAN, MicroHDMI DP, 2x miniPCle	Artikel-Nr. PKBF1112 Factory Automation Box-PC 103-IoT Gateway w/ Windows 10 & IoT Studio, Intel Atom E3826, 1.46GHz, 2GB DDR3L, 1x micro-HDMI Artikel-Nr. PKBF1112-1 Factory Automation Box-PC 103-IoT Gateway w/ Ubuntu & IoT Studio, Intel Atom E3826, 1.46GHz, 2GB DDR3L, 1x micro-HDMI
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Fanless Box-PC 106



Fanless Box-PC 70



Fanless Box-PC 52

Cooling System	Fanless	Fanless	Fanless
Mounting System	Wall Mount	Wall Mount	Wall Mount
CPU	Onboard Intel® Pentium® processor N3710 quad core, 1.6GHz	Intel® Celeron® 6305E Tiger Lake-UP3 Processor; Support 11th Gen. Intel® Core i7/i5 Tiger Lake-UP3 processors	Intel® Celeron® J3455 processor, Quad Core 1.5GHz
CPU Socket	-	-	-
Chipset	-	-	-
BIOS	-	-	-
Watchdog Timer	-	-	-
Controller	-	-	-
Basic Equipment	-	-	-
Maximum Equipment	Up to 8GB	32GB	8GB
DRAM	-	-	-
SDRAM	-	-	-
DIMM / MemorySocket	1x DDR3L 1600 SO-DIMM	DDR4 SO-DIMM 3.200MHz	DDR3L SO-DIMM 1866
Compact Flash	-	-	-
SD	-	-	-
HDD	-	-	-
HD SATA	1x 2.5" HDD (SATA 3.0)	optional SATA storage via 1x M.2, support B & B+M Key module	Optional mSATA via mini-PCIe socket
Removeable Storage	-	-	-
Graphic Interface	1x DVI-D DVI, 1x HDMI, 1x DisplayPort	4x HDMI	3x HDMI
Interface COM	2x DB9 for RS232, 2x DB9 for RS232/422/485 with auto flow control	1x RS232, 1x RS232/422/485	3x RS232, 1x RS232/422/485
CAN	-	-	-
Galvanic Isolation	-	-	-
Interface USB	4x USB 3.0	1x USB 2.0, 3x USB 3.0	2x USB 2.0, 6x USB 3.0
Interface IEEE1394	-	-	-
Interface LAN	-	3x 10/100/1000 BASE-T, Optional WLAN	3x 10/100/1000 BASE-T, Optional WLAN
Interface IO	4x GPI and 4x GPO (5V, TTL type) GPIO	4x GPI, 4x GPO GPIO	4x GPI, 4x GPO (Programmable to GPI or GPO) GPIO
Mini PCIe	-	1x	2x
Mini PCI	-	-	-
Camera	-	-	-
Video Input	-	-	-
Resolution	-	-	-
Encoding	-	-	-
Decoding/Playback	-	-	-
Bluetooth	-	Optional	Optional
eSATA	-	-	-
Audio	-	-	-
Headphone	-	-	-
SIM Card	1x SIM Card holder	-	1x nano-SIM card holder
GPS	-	-	-
Mobile Communication 2G	-	-	-
Mobile Communication 3G	-	-	-
PCI	-	-	-
PCIe	1x Mini-PCIe socket for optional Wi-Fi / 4G LTE / 3.5G modules	-	-
PCI/104	-	-	-
Operating System	-	-	-
Operating System Support	Windows 10 IoT Ent. / 8.1 / 7 / WES 7 / Linux Kernel 4.4	WINDOWS 10 / LINUX Kernel	WINDOWS 10 / LINUX Kernel
Input Voltage Nominal	-	-	-
Input Voltage Min/Max	+9 to 30 VDC	12 to 24VDC	9 to 30VDC
Output Voltage Nominal	-	-	-
Output Voltage Min/Max	-	-	-
Input Current	-	-	-
Input Power	-	-	-
Battery	-	-	-
Operating Temperature	-5°C to 55°C	-5°C to 55°C	-5°C to 55°C
Extended Operating Temperature	-	-	-
Storage Temperature	-30°C to 85°C	-20°C to 80°C	-20°C to 75°C
Relative Humidity	10% to 95% (non-condensing)	10% to 95% (non-Condensing)	10% to 95% (non-Condensing)
Protection	Shock and Vibration Protection w/ EMMC Condition	Shock + Vibration protection	Shock + Vibration protection
Certification	CE, Class A FCC	CE, Class A FCC	CE, Class A FCC
Dimensions	185 x 131 x 54 mm (W x D x H), without wall-mount bracket	198,8 x 150,4 x 37,7 mm (W x D x H), without wall-mount bracket	162 x 150 x 26 mm (W x D x H), without wall-mount bracket
Weight	-	-	-
Material	Aluminum Chassis	Aluminum and metal chassis	Aluminum Chassis
Typ. Application	Industrial	Industrial	Industrial

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Selection Guide Industrial Box-PC / IoT Gateways



Fanless Box-PC 106



Fanless Box-PC 70



Fanless Box-PC 52

Bestellinformation	Artikel-Nr. PKBX5413-1 Fanless Box-PC 106-N3710 Intel Pentium N3710, 1.6GHz, 2x GbE LAN, 2.5" HDD (SATA 3.0), HDMI, DVI, DP	Artikel-Nr. PKBX5461 Fanless Box-PC 70-T01 w/ Intel Celeron 6305E, 1.8GHz, 3x GbE, 2x COM, 4x HDMI, 1x mini-PCle, 1x M.2 Artikel-Nr. PKBX5462 Fanless Box-PC 70-T02 w/ Core i5-1145G7E, 1.5GHz w/ Fan, 3x GbE, 2x COM, 4x HDMI, 1x mini-PCle, 1x M.2 Artikel-Nr. PKBX5463 Fanless Box-PC 70-T03 w/ Core i7-1185G7E, 1.8GHz w/ Fan, 3x GbE, 2x COM, 4x HDMI, 1x mini-PCle, 1x M.2 Artikel-Nr. PKBX5464 Fanless Box-PC 70-T04 w/ Core i5-1145G7E, 1.5GHz (15W TDP limited), 3x GbE, 2x COM, 4x HDMI, 1x mini-PCle, 1x M.2 Artikel-Nr. PKBX5465 Fanless Box-PC 70-T05 w/ Core i7-1185G7E, 1.8GHz (15W TDP limited), 3x GbE, 2x COM, 4x HDMI, 1x mini-PCle, 1x M.2	Artikel-Nr. PKBX5459 Fanless Box-PC 52-A01 w/ Intel Celeron J3455, 1.5GHz, 3x GbE, 4x COM, 3x HDMI, 2x mini-PCle Artikel-Nr. PKBX5459-1 Fanless Box-PC 52-A02 w/ Intel Celeron J3455, 1.5GHz, 3x GbE, 4x COM, 3x HDMI, 2x mini-PCle, 4GB DDR3L
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Selection Guide Industrial Box-PC / IoT Gateways



Fanless Box-PC 108



Fanless Box-PC 505



Fanless Box-PC 2400-J1900

Cooling System	Fanless	Fanless	Fanless
Mounting System	Wall Mount	Wall Mount	Wall Mount
CPU	Intel® Celeron® J3455 Quad Core processor, 1.5GHz	Intel® Celeron® J1900 Bay Trail Quad Core processor, 2.42GHz	Onboard Intel® Celeron® J1900 Quad Core Processor, 2.0GHz
CPU Socket	-	-	-
Chipset	-	-	-
BIOS	-	-	-
Watchdog Timer	-	-	-
Controller	-	-	-
Basic Equipment	-	-	-
Maximum Equipment	8GB	4GB	8GB
DRAM	-	-	-
SDRAM	-	-	-
DIMM / MemorySocket	1x DDR3L SO-DIMM	DDR3L SO-DIMM	2x DDR3L SO-DIMM
Compact Flash	-	-	1x CFast card socket (SATA 2.0)
SD	-	-	-
HDD	2x 2.5" HDD (SATA 2.0)	-	-
HD SATA	1x M.2 (SATA 2.0, 2242)	Optional mSATA module	1x 2.5" HDD space (SATA 2.0)
Removeable Storage	-	-	-
Graphic Interface	2x DisplayPort	2x HDMI	1x DVI, 1x HDMI
Interface COM	2x RS232, 1x RS232/422/485	1x RS232	2x RS232, 2x RS232/422/485
CAN	-	-	-
Galvanic Isolation	-	-	-
Interface USB	2x USB 2.0, 2x USB 3.0	2x USB 2.0	4x USB 2.0, 1x USB 3.0
Interface IEEE1394	-	-	-
Interface LAN	2x 10/100/1000 BASE-T, optional WLAN	3x 10/100/1000 BASE-T, Optional WLAN	2x 10/100/1000 BASE-T, Optional WLAN
Interface IO	-	4x GPI + 4x GPO GPIO	4x GPI and 4x GPO GPIO, 4x Digital Input, 4x Digital Output
Mini PCIe	1x	1x Mini PCIe	2x Mini PCIe
Mini PCI	-	-	-
Camera	-	-	-
Video Input	-	-	-
Resolution	-	-	-
Encoding	-	-	-
Decoding/Playback	-	-	-
Bluetooth	-	optional	-
eSATA	-	-	-
Audio	-	-	1x Mix-In, 1x Line-Out
Headphone	-	-	-
SIM Card	-	-	1x
GPS	-	-	-
Mobile Communication 2G	-	-	-
Mobile Communication 3G	-	-	-
PCI	-	-	-
PCIe	-	-	2x Mini PCIe
PCI/104	-	-	-
Operating System	-	-	Windows 10 IoT Enterprise, Windows 8, Windows Embedded Standard 8, Windows 7, Windows Embedded Standard 7, Linux Kernel version 3.8.0
Operating System Support	WINDOWS 10 IoT Ent., Linux Kernel 4.1	WINDOWS 10 / 7	-
Input Voltage Nominal	24VDC	12VDC	-
Input Voltage Min/Max	-	-	9 to 30 VDC
Output Voltage Nominal	-	-	-
Output Voltage Min/Max	-	-	-
Input Current	-	-	-
Input Power	-	-	-
Battery	-	-	-
Operating Temperature	-5°C to 55°C	-5°C to 55°C	-5°C to 55°C
Extended Operating Temperature	-	-	-
Storage Temperature	-20°C to 80°C	-20°C to 75°C	-30°C to 85°C
Relative Humidity	10% to 95% (non-condensing)	10% to 95% (non-condensing)	10% to 95%, non-condensing
Protection	Shock & Vibration	Shock & Vibration	-
Certification	CE, Class A FCC	CE, Class A FCC	CE, FCC
Dimensions	185 x 131 x 54 mm (W x D x H)	162 x 150 x 26 mm (W x D x H)	191 x 200 x 60 mm (W x D x H) without wall-mount bracket
Weight	Tbd.	Tbd.	-
Material	Aluminum chassis	Metal chassis	Aluminum and metal chassis
Typ. Application	Industrial, Digital Signage	Industrial, Digital Signage	Industrial

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Fanless Box-PC 108



Fanless Box-PC 505



Fanless Box-PC 2400-J1900

Bestellinformation

Artikel-Nr. PKBX5416 Fanless Box-PC 108-J3455 w/ Intel Celeron J3455 1.5GHz, 2x GbE LAN, 3x COM, 4x USB, 2x DP	Artikel-Nr. PKBX5458 Fanless Box-PC 505-J1900 w/ Intel Celeron J1900 2.42GHz, 3x GbE LAN, 1x COM, 2x USB, 1x HDMI	Artikel-Nr. PKBX5447-2 Fanless Box-PC 2400-J1900, Intel Celeron J1900 Quad Core, 2.0GHz, 4x COM, 2x miniPCle, 2x GbE LAN
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Fanless Box-PC 105U



Fanless Box-PC 51



Fanless Box-PC X100

Cooling System	Fanless	Fanless	Fanless
Mounting System	Wall Mount	Wall Mount	Wall Mount
CPU	Intel® Celeron® J1900 processor, Quad Core 2.42GHz	Intel® Celeron® N3350 processor, Dual Core 2.4GHz	Intel® Apollo Lake N3350 / N4200 / J3455 processor
CPU Socket	-	-	-
Chipset	-	-	-
BIOS	-	-	-
Watchdog Timer	-	-	-
Controller	-	-	-
Basic Equipment	-	-	-
Maximum Equipment	8GB	8GB	8GB
DRAM	-	-	-
SDRAM	-	-	-
DIMM / MemorySocket	DDR3L 1066 / 1333	DDR3L 1866	1x DDR3L SO-DIMM
Compact Flash	-	-	-
SD	-	Onboard 16GB EMMC, max. up to 32GB by request	-
HDD	2,5" HDD (SATA 2.0)	-	-
HD SATA	-	-	-
Removeable Storage	-	-	-
Graphic Interface	1x via DVI-I VGA/CRT, 1x DVI, 1x HDMI	1x DisplayPort	Intel® HD Graphics 500 (with N3350 / J3455) / Intel® HD Graphics 505 (with N4200) Graphics Adapter, 2x HDMI
Interface COM	2x RS232, 2x RS232/422/485	2x RS232 , 1x RS422/485	1x RS232 (internal port), 1x RS232/RS422/RS485
CAN	-	-	-
Galvanic Isolation	-	-	-
Interface USB	2x USB 2.0, 1x USB 3.0	2x USB 2.0, 2x USB 3.0	2x USB 3.0
Interface IEEE1394	-	-	-
Interface LAN	2x 10/100/1000 BASE-T, optional WLAN	2x 10/100/1000 BASE-T, optional WLAN	2x 10/100/1000 BASE-T, optional WLAN
Interface IO	4x GPI, 4x GPO GPIO	4x GPI, 4x GPO GPIO	GPI
Mini PCIe	1x mini-Pcie socket	1x mini-Pcie socket	1x
Mini PCI	-	-	-
Camera	-	-	-
Video Input	-	-	-
Resolution	-	-	-
Encoding	-	-	-
Decoding/Playback	-	-	-
Bluetooth	-	optional	-
eSATA	-	-	-
Audio	1x Mic-in & 1x Line-out	1x Line-out	1x DC-in Jack with lock, 1x Line out (internal)
Headphone	-	-	-
SIM Card	-	1x SIM Card holder	1x SIM slot on board
GPS	-	-	-
Mobile Communication 2G	-	-	-
Mobile Communication 3G	-	-	-
PCI	-	-	-
PCIe	1x mini-Pcie socket	1x mini-Pcie socket	-
PCI/104	-	-	-
Operating System	-	-	WINDOWS 10
Operating System Support	WINDOWS 10 IoT Ent. / 7 / WES 7 / WEC 7 / Linux Kernel v4.1	WINDOWS 10 IoT Ent., Linux Kernel v4.1	-
Input Voltage Nominal	-	-	-
Input Voltage Min/Max	9 to 30VDC	12VDC / 24VDC +/-10%	100 to 240VAC
Output Voltage Nominal	-	-	19VDC
Output Voltage Min/Max	-	-	-
Input Current	-	-	-
Input Power	-	-	-
Battery	-	-	-
Operating Temperature	-5°C to +55°C	-5°C to +55°C	0°C to +50°C
Extended Operating Temperature	-	-	-
Storage Temperature	-30°C to +85°C	-20°C to +75°C	-20°C to +80°C
Relative Humidity	10% to 95% (non-Condensing)	10% to 95% (non-Condensing)	95% (non-condensing)
Protection	Shock + Vibration protection	Shock + Vibration protection	-
Certification	CE, Class A FCC	CE, Class A FCC	CE, Class A FCC
Dimensions	185 x 131 x 54 mm (W x H x D), without wall-mount bracket	162 x 26 x 150 mm (W x H x D), without wall-mount bracket	52 x 106 x 37 mm (W x D x H)
Weight	-	-	Tbd.
Material	Aluminum and metal chassis	Metal Chassis	-
Typ. Application	Industrial	Industrial	Industrial, Digital Signage

Selection Guide Industrial Box-PC / IoT Gateways



Fanless Box-PC 105U



Fanless Box-PC 51



Fanless Box-PC X100

Bestellinformation

Artikel-Nr. PKBX5412

Fanless Box-PC 105U w/ Intel Celeron J1900
2.42GHz, 2x GbE, 4x COM, 3x USB, HDMI, DVI-I,
8GB DDR3L

Artikel-Nr. PKBX5457

Fanless Box-PC 51 w/ Intel Celeron N3350
2.4GHz, 2x GbE, 3x COM, 4x USB, DP, 16GB
EMMC, 8GB DDR3L

Artikel-Nr. PKBX5260

Fanless Box-PC X100-N3350 w/ Apollo Lake
N3350 2.4GHz, 2x GbE, 2x COM (1x internal), 2x
USB, 2x HDMI

Artikel-Nr. PKBX5261

Fanless Box-PC X100-N4200 w/ Apollo Lake
N4200 2.5GHz, 2x GbE, 2x COM (1x internal), 2x
USB, 2x HDMI

Artikel-Nr. PKBX5262

Fanless Box-PC X100-J3455 w/ Apollo Lake J3455
2.3GHz, 2x GbE, 2x COM (1x internal), 2x USB, 2x
HDMI

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Selection Guide Industrial Box-PC / IoT Gateways



Fanless Box-PC 50



Fanless Box-PC 50W



Fanless Box-PC 50-IoT Gateway

Cooling System	Fanless	Fanless	Fanless
Mounting System	Wall Mount	Wall Mount	Wall Mount
CPU	Onboard Intel® Atom processor E3826 Dual Core, 1.46GHz; Optional Intel® Celeron J1900 processor Quad Core, 2.00GHz	Onboard Intel® Atom processor E3826 Dual Core, 1.46GHz	Onboard Intel® Atom processor E3826 Dual Core, 1.46GHz
CPU Socket	-	-	-
Chipset	-	-	-
BIOS	-	-	-
Watchdog Timer	-	-	-
Controller	-	-	-
Basic Equipment	2GB	2GB	2GB
Maximum Equipment	Up to 4GB for option	4GB	-
DRAM	-	-	-
SDRAM	-	-	-
DIMM / MemorySocket	DDR3L 1066 / 1333	DDR3L 1066 / 1333	On-board 2GB DDR3L 1.066 / 1.333 RAM
Compact Flash	-	-	-
SD	Onboard 16GB EMMC; Optional 32GB EMMC	Onboard 16GB EMMC	-
HDD	-	Optional 2.5" HDD / SSD	-
HD SATA	Optional mSATA module	Optional mSATA module	16GB mSATA SSD installed
Removeable Storage	-	-	-
Graphic Interface	1x HDMI	1x HDMI	1x HDMI
Interface COM	1x DB9, RS232, only support Tx/Rx/GND, 1x DB9, RS422/485 auto flow control, 1x DB9, full RS232 signal	1x DB9, RS232, only support Tx/Rx/GND, 1x DB9, RS422/485 auto flow control, 1x DB9, full RS232 signal	3x DB9
CAN	-	-	-
Galvanic Isolation	-	-	-
Interface USB	4x USB 2.0	4x USB 2.0	4x USB 2.0
Interface IEEE1394	-	-	-
Interface LAN	-	-	2x 10/100/1000 BASE-T
Interface IO	4x GPI, 4x GPO (Programmable to GPI or GPO) GPIO	4x GPI, 4x GPO (Programmable to GPI or GPO) GPIO	2x GPIO programmable LED GPIO
Mini PCIe	-	-	3x mini-PCIe
Mini PCI	-	-	-
Camera	-	-	-
Video Input	-	-	-
Resolution	-	-	-
Encoding	-	-	-
Decoding/Playback	-	-	-
Bluetooth	-	-	-
eSATA	-	-	-
Audio	1x Line-out	1x Line-out	-
Headphone	-	-	-
SIM Card	1x SIM Card holder	1x SIM Card holder	1x SIM Card holder
GPS	-	-	-
Mobile Communication 2G	-	-	-
Mobile Communication 3G	-	-	-
PCI	-	-	-
PCIe	3x Mini-PCIe (for optional WiFi / 3.5G / LTE modules)	3x Mini-PCIe (for optional WiFi / 3.5G / LTE modules)	3x Mini-PCIe (for optional WiFi / 3.5G modules)
PCI/104	-	-	-
Operating System	Windows 10 IoT Ent., Windows Embedded Standard 8, Windows 7 Pro, Windows Embedded Standard 7E, Windows Embedded Compact 7, Ubuntu	WES 8, WES 7E, WEC 7 and WIN 7 Pro	-
Operating System Support	-	-	Windows 10 IoT Enterprise LTSC Entry, Ubuntu 14.04.5, IoT Studio with dashboard
Input Voltage Nominal	24VDC +/-20%	24VDC +/-20%	24VDC +/-20%
Input Voltage Min/Max	-	-	-
Output Voltage Nominal	-	-	-
Output Voltage Min/Max	-	-	-
Input Current	-	-	-
Input Power	-	-	-
Battery	-	-	-
Operating Temperature	-5°C to 55°C	-5°C to 55°C	-
Extended Operating Temperature	-	-	-
Storage Temperature	-20°C to 75°C	-20°C to 75°C	-
Relative Humidity	10% to 95% (non-Condensing)	10% to 95% (non-Condensing)	-
Protection	Shock and Vibration Protection w/ EMMC Condition	Shock + Vibration protection	-
Certification	CE, FCC	CE, Class A FCC	CE, Class A FCC
Dimensions	162 x 26 x 150 mm (W x H x D), without wall-mount bracket	162 x 26 x 150 mm (W x H x D), without wall-mount bracket	162 x 26 x 150 mm (W x H x D), without wall-mount bracket
Weight	-	-	-
Material	Metal Chassis	Aluminum and Metal Chassis	Aluminum and Metal Chassis
Typ. Application	Industrial	Industrial	Industrial

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Fanless Box-PC 50



Fanless Box-PC 50W



Fanless Box-PC 50-IoT Gateway

Bestellinformation	Artikel-Nr. PKBX5452 Fanless Box-PC 50, IntelAtom E3826 DualCore, 16GB EMMC, 2GB DDR3L Artikel-Nr. PKBX5452-1 Fanless Box-PC 50-4G-32G, IntelAtom E3826 DualCore, 32GB EMMC, 4GB DDR3L Artikel-Nr. PKBX5452-2 Fanless Box-PC 50-WEC7, w/ WEC7 OS, IntelAtom E3826 DualCore, 16GB EMMC, 2GB DDR3L	Artikel-Nr. PKBX5453 Fanless Box-PC 50W, Intel Atom E3826 Dual Core, 16GB EMMC + 2G DDR3L RAM	Artikel-Nr. PKBX5454 Fanless Box-PC 50-IoT Gateway w/ Windows 10 & IoT Studio, Intel Atom E3826, 1.46GHz, 2GB DDR3L, 1x HDMI Artikel-Nr. PKBX5454-1 Fanless Box-PC 50-IoT Gateway w/ Ubuntu & IoT Studio, Intel Atom E3826, 1.46GHz, 2GB DDR3L, 1x HDMI
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Fanless Box-PC 107-E3930/E3940



Fanless Box-PC 105-E3826/E3845



Fanless Box-PC 2420

Cooling System	Fanless	Fanless	Fanless
Mounting System	Wall Mount	Wall Mount	Wall Mount
CPU	Intel® Atom Apollo Lake x5-E3930 Dual Core / x5-E3940 Quad Core processor, 1.80GHz	Intel® Atom Baytrail-I E3826 Dual Core / E3845 Quad Core processor, 1.46GHz / 1.91GHz	Onboard Intel® Atom E3845 Quad core, 1.91GHz
CPU Socket	-	-	-
Chipset	-	-	-
BIOS	-	-	-
Watchdog Timer	-	-	-
Controller	-	-	-
Basic Equipment	-	-	-
Maximum Equipment	Up to 8GB	Up to 8GB	8GB
DRAM	-	-	-
SDRAM	-	-	-
DIMM / MemorySocket	DDR3L SO-DIMM	DDR3L SO-DIMM	2x DDR3L SO-DIMM
Compact Flash	-	1x CFast	1x CFast card socket (SATA 2.0)
SD	-	-	-
HDD	-	-	-
HD SATA	2x 2.5" HDD (SATA 3.0)	2x 2.5" HDD	1x 2.5" HDD space (SATA 2.0)
Removeable Storage	1x M.2, support B, B+M key module	-	-
Graphic Interface	1x DVI, 1x DisplayPort	1x DVI, 1x HDMI	1x DVI, 1x HDMI
Interface COM	2x RS232/422/485	2x RS232, 2x RS232/422/485	2x RS232, 2x RS232/422/485
CAN	-	-	-
Galvanic Isolation	-	-	-
Interface USB	4x USB 3.0	2x USB 2.0, 1x USB 3.0	4x USB 2.0, 1x USB 3.0
Interface IEEE1394	-	-	-
Interface LAN	2x 10/100/1000 BASE-T, Optional WLAN, 2x PoE	2x 10/100/1000 BASE-T, Optional WLAN, 2x PoE	2x 10/100/1000 BASE-T
Interface IO	4-in/4-out GPIO	4-in/4-out GPIO	4x Digital Input, 4x Digital Output
Mini PCIe	1x Mini PCIe	1x Mini PCIe	2x Mini PCIe
Mini PCI	-	-	-
Camera	-	-	-
Video Input	-	-	-
Resolution	-	-	-
Encoding	-	-	-
Decoding/Playback	-	-	-
Bluetooth	-	-	-
eSATA	-	-	-
Audio	1x Line-Out, 1x Mic-In	1x Line-Out, 1x Mic-In	1x Mix-In, 1x Line-Out
Headphone	-	-	-
SIM Card	1x	1x	1x
GPS	-	-	-
Mobile Communication 2G	-	-	-
Mobile Communication 3G	Optional HSDPA	Optional HSDPA	-
PCI	-	-	2x
PCIe	1x Mini PCIe	1x Mini PCIe	2x Mini PCIe
PCI/104	-	-	-
Operating System	-	-	Windows 8, 32bit/64bit, Windows Embedded Standard 8, 32bit/64bit, Windows 7, 32bit/64bit, Windows Embedded Standard 7, 32bit/64bit, Linux Kernel version 3.8.0, Android 4.4, 64bit, Moon Island
Operating System Support	Windows 10 IoT Ent., Linux Kernel 4.1	Windows 10 IoT Ent. / 8 / 7, WES 8 / 7, WEC 7, Linux Kernel 3.8.0	-
Input Voltage Nominal	-	-	-
Input Voltage Min/Max	9 to 30VDC	9 to 30VDC	9 to 30 VDC
Output Voltage Nominal	-	-	-
Output Voltage Min/Max	-	-	-
Input Current	-	-	-
Input Power	60W	60W	-
Battery	-	1x RTC Battery	-
Operating Temperature	-5°C to +55°C	-5°C to +55°C with 8GB RAM	-20°C to 70°C
Extended Operating Temperature	-20°C to 70°C	-20°C to 70°C	-
Storage Temperature	-20°C to 80°C	-30°C to 85°C	-30°C to 85°C
Relative Humidity	95% @ 40°C	10% to 95%, non-condensing	10% to 95%, non-condensing
Protection	Shock & Vibration	Shock & Vibration	-
Certification	CE, FCC	CE, FCC	CE, FCC
Dimensions	185 x 131 x 54 mm (W x D x H)	185 x 131 x 54mm (W x D x H)	195 x 200 x 111 mm (W x D x H) without wall-mount bracket
Weight	Approx. 1,3 Kg	1,3 Kg	-
Material	Aluminum	Aluminum and Metal	Aluminum and metal chassis
Typ. Application	Industrial	Industrial	Industrial

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Selection Guide Industrial Box-PC / IoT Gateways

**Fanless Box-PC 107-E3930/E3940****Fanless Box-PC 105-E3826/E3845****Fanless Box-PC 2420****Bestellinformation**

Artikel-Nr. PKBX5414

Fanless Box-PC 107-E3930 w/ Intel Atom
x5-E3930 1.80GHz, 2x GbE LAN, 2x COM, 4x
USB, DVI-D, DP

Artikel-Nr. PKBX5414-1

Fanless Box-PC 107-E3940 w/ Intel Atom
x5-E3940 1.80GHz, 2x GbE LAN, 2x COM, 4x
USB, DVI-D, DP

Artikel-Nr. PKBX5410

Fanless Box-PC 105-E3826 w/ Intel Atom E3826
1.46GHz, 2x GbE LAN, 4x COM, 3x USB, HDMI,
DVI

Artikel-Nr. PKBX5410-1

FanlessBox-PC 105-E3845 w/ Intel Atom E3845
1.91GHz, 2x GbE LAN, 4x COM, 3x USB, HDMI,
DVI

Artikel-Nr. PKBX5449

Fanless Box-PC 2420, Intel Atom E3845, 4x COM,
2x miniPCIe, 2x PCI, 2x GbE

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Fanless Box-PC 2410/2410E



Fanless Box-PC 2400



Automotive Box-PC 300 ARM Cortex A9, 1x LAN

Cooling System	Fanless	Fanless	Fanless
Mounting System	Wall Mount	Wall Mount	Wall Mount
CPU	Onboard Intel® Atom E3800 processor family	Intel® Atom processor E3827 Dual Core, 1.75GHz	ARM Cortex-A9 CPU 1GHz NXP iMX6 Single / Dual / Quad Core
CPU Socket	-	-	-
Chipset	-	-	-
BIOS	-	-	-
Watchdog Timer	-	-	-
Controller	-	-	-
Basic Equipment	-	-	1 GB (Single / Dual) or 2 GB (Quad)
Maximum Equipment	8GB	8GB	4 GB
DRAM	-	-	-
SDRAM	-	-	-
DIMM / MemorySocket	2x DDR3L SO-DIMM	2x DDR3L SO-DIMM	DDR3
Compact Flash	1x CFast card socket (SATA 2.0)	1x CFast card socket (SATA 2.0)	x
SD	-	-	1x microSD interface
HDD	-	-	-
HD SATA	1x 2.5" HDD space (SATA 2.0)	1x 2.5" HDD space (SATA 2.0)	1x mSATA interface for SSD
Removeable Storage	-	-	-
Graphic Interface	1x DVI, 1x HDMI	1x DVI, 1x HDMI	1x HDMI
Interface COM	2x RS232, 2x RS232/422/485	2x RS232, 2x RS232/422/485	1x RS232, 1x RS485
CAN	-	-	2x CAN bus (isolated)
Galvanic Isolation	-	-	-
Interface USB	4x USB 2.0, 1x USB 3.0	4x USB 2.0, 1x USB 3.0	2x Host (HS) / 1x OTG (HS) USB
Interface IEEE1394	-	-	-
Interface LAN	2x 10/100/1000 BASE-T	2x 10/100/1000 BASE-T, Optional WLAN	1x RJ45 10/100/1000 BASE-T, Optional 802.11 b/g/n/ac WLAN
Interface IO	4x Digital Input, 4x Digital Output	4x GPI and 4x GPO GPIO, 4x Digital Input, 4x Digital Output	Isolated GPIO GPIO, 9x Digital Input, 3x Digital Output
Mini PCIe	2x Mini PCIe	2x Mini PCIe	-
Mini PCI	-	-	-
Camera	-	-	-
Video Input	-	-	-
Resolution	-	-	-
Encoding	-	-	-
Decoding/Playback	-	-	-
Bluetooth	-	-	Built-in 4.2/BLE
eSATA	-	-	-
Audio	1x Mix-In, 1x Line-Out	1x Mix-In, 1x Line-Out	Optional MIC In
Headphone	-	-	Optional
SIM Card	1x	1x	Dual SIM card Slot
GPS	-	-	ublox UBX-G7020 (or UBX-M8030) module
Mobile Communication 2G	-	-	-
Mobile Communication 3G	-	-	Optional HSDPA+UMTS+WCDMA
PCI	Fanless Box-PC 2410: 1x PCI Expansion	-	-
PCIe	Fanless Box-PC 2410E: 1x PCIe x4 Expansion, Fanless Box-PC 2410/2410E: 2x Mini PCIe	2x Mini PCIe	-
PCI/104	-	-	-
Operating System	Windows 8, 32bit/64bit, Windows Embedded Standard 8, 32bit/64bit, Windows 7, 32bit/64bit, Windows Embedded Standard 7, 32bit/64bit, Linux Kernel version 3.8.0, Android 4.4, 64bit, Moon Island	Windows 8, Windows Embedded Standard 8, Windows 7, Windows Embedded Standard 7, Linux Kernel version 3.8.0, Android 4.4, 64bit, Moon Island	Linux 3.10/3.14 (Yocto 1.6/1.8) / Android 4.2.2/4.4/6.x
Operating System Support	-	-	-
Input Voltage Nominal	-	-	-
Input Voltage Min/Max	9 to 30 VDC	9 to 30 VDC	9 to 36VDC
Output Voltage Nominal	-	-	-
Output Voltage Min/Max	-	-	-
Input Current	-	-	-
Input Power	-	-	-
Battery	-	-	-
Operating Temperature	-20°C to 70°C	-20°C to 70°C	-20 °C to 70 °C
Extended Operating Temperature	-	-	-
Storage Temperature	-30°C to 85°C	-30°C to 85°C	-
Relative Humidity	10% to 95%, non-condensing	10% to 95%, non-condensing	-
Protection	-	-	Optional Overvoltage protection
Certification	CE, FCC	CE, FCC	CE, e13 (Vehicle), Class A FCC
Dimensions	195 x 200 x 90 mm (W x D x H) without wall-mount bracket	191 x 200 x 60 mm (W x D x H) without wall-mount bracket	138 x 204 x 48 mm (L x W x H)
Weight	-	-	tbd.
Material	Aluminum and metal chassis	Aluminum and metal chassis	-
Typ. Application	Industrial	Industrial	Industrial, Automotive

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Selection Guide Industrial Box-PC / IoT Gateways



Fanless Box-PC 2410/2410E



Fanless Box-PC 2400



Automotive Box-PC 300 ARM Cortex A9, 1x LAN

Bestellinformation			
	Artikel-Nr. PKBX5448 Fanless Box-PC 2410, Intel Atom E3827, 4x COM, 2x miniPCIe, 1x PCI, 2x GbE LAN Artikel-Nr. PKBX5448-1 Fanless Box-PC 2410E, Intel Atom E3845, 4x COM, 2x miniPCIe, 1x PCIe1, 2x GbE LAN	Artikel-Nr. PKBX5447 Fanless Box-PC 2400, Intel Atom E3827 Dual Core, 1.75GHz, 4x COM, 2x miniPCIe, 2x GbE LAN Artikel-Nr. PKBX5447-1 Fanless Box-PC 2400A, Intel Atom E3827 Dual Core, 1.75GHz, 4x COM w/ 2x isolated ports (COM1+COM2), 2x miniPCIe, 2x GbE LAN	Artikel-Nr. PKBA2010 Automotive Box-PC 300, ARM Cortex A9 iMX6, 1GHz Quad Core, 2GB DDR3, 4GB NAND, LAN, GPS, Yocto, CAN, 1x LAN, WiFi/BT Artikel-Nr. PKBA2010-1 Automotive Box-PC 300, ARM Cortex A9 iMX6, 1GHz Quad Core, 2GB DDR3, 4GB NAND, LAN, GPS, Yocto, WiFi/BT, CAN, 1x LAN, Overvoltage Protection Artikel-Nr. PKBA2011 Automotive Box-PC 300, ARM Cortex A9 iMX6, 1GHz Quad Core, 2GB DDR3, 4GB NAND, LAN, GPS, Android, CAN, 1x LAN, WiFi/BT Artikel-Nr. PKBA2011-1 Automotive Box-PC 300, ARM Cortex A9 iMX6, 1GHz Quad Core, 2GB DDR3, 4GB NAND, LAN, GPS, Android, WiFi/BT, CAN, 1x LAN, Overvoltage Protection Artikel-Nr. PKBA2012 Automotive Box-PC 300, ARM Cortex A9 iMX6, 1GHz Dual Core, 1GB DDR3, 4GB NAND, LAN, GPS, Yocto, CAN, 1x LAN, WiFi/BT Artikel-Nr. PKBA2012-1 Automotive Box-PC 300, ARM Cortex A9 iMX6, 1GHz Dual Core, 1GB DDR3, 4GB NAND, LAN, GPS, Yocto, CAN, 1x LAN, WiFi/BT, Overvoltage Protection Artikel-Nr. PKBA2013 Automotive Box-PC 300, ARM Cortex A9 iMX6, 1GHz Dual Core, 1GB DDR3, 4GB NAND, LAN, GPS, Android, CAN, 1x LAN, WiFi/BT Artikel-Nr. PKBA2013-1 Automotive Box-PC 300, ARM Cortex A9 iMX6, 1GHz Dual Core, 1GB DDR3, 4GB NAND, LAN, GPS, Android, CAN, 1x LAN, WiFi/BT, Overvoltage Protection Artikel-Nr. PKBA2014 Automotive Box-PC 300, ARM Cortex A9 iMX6, 1GHz Single Core, 1GB DDR3, 4GB NAND, LAN, GPS, Yocto, CAN, 1x LAN, WiFi/BT Artikel-Nr. PKBA2014-1 Automotive Box-PC 300, ARM Cortex A9 iMX6, 1GHz Single Core, 1GB DDR3, 4GB NAND, LAN, GPS, Yocto, CAN, 1x LAN, WiFi/BT, Overvoltage Protection Artikel-Nr. PKBA2015 Automotive Box-PC 300, ARM Cortex A9 iMX6, 1GHz Single Core, 1GB DDR3, 4GB NAND, LAN, GPS, Android, CAN, 1x LAN, WiFi/BT

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Selection Guide Industrial Box-PC / IoT Gateways



Automotive Box-PC 300 ARM Cortex A9, 4x LAN



Automotive Box-PC 100/120 ARM Cortex A7

Cooling System	Fanless	Fanless
Mounting System	Wall Mount	Wall Mount
CPU	ARM Cortex-A9 CPU 1GHz NXP iMX6 Single / Dual / Quad Core	ARM Cortex-A7 CPU 500MHz NXP iMX6UL (Ultra Lite) Quad Core
CPU Socket	-	-
Chipset	-	-
BIOS	-	-
Watchdog Timer	-	-
Controller	-	-
Basic Equipment	1 GB (Single / Dual) or 2 GB (Quad)	256 MB
Maximum Equipment	4 GB	512 MB
DRAM	-	-
SDRAM	-	-
DIMM / MemorySocket	DDR3	DDR3
Compact Flash	x	x
SD	1x microSD interface	-
HDD	-	-
HD SATA	1x mSATA interface for SSD	-
Removeable Storage	-	-
Graphic Interface	1x HDMI	-
Interface COM	1x RS232, 1x RS485	1x 1x RS232 (or RS485)
CAN	2x CAN bus (isolated)	1x CAN bus
Galvanic Isolation	-	-
Interface USB	2x Host (HS) / 1x OTG (HS) USB	2x Host (HS) / 1x OTG (HS) USB
Interface IEEE1394	-	-
Interface LAN	4x RJ45 10/100/1000 BASE-T, Optional 802.11 b/g/n/ac WLAN	1x RJ45 10/100 BASE-T, Optional 802.11 b/g/n WLAN
Interface IO	Isolated GPIO GPIO, 9x Digital Input, 3x Digital Output	Isolated GPIO GPIO, 9x Digital Input, 3x Digital Output
Mini PCIe	-	-
Mini PCI	-	-
Camera	-	-
Video Input	-	-
Resolution	-	-
Encoding	-	-
Decoding/Playback	-	-
Bluetooth	Built-in 4.2/BLE	4.0 / BLE (optional)
eSATA	-	-
Audio	Optional MIC In	Optional MIC In
Headphone	Optional	Optional
SIM Card	Dual SIM card Slot	SIM card slot single
GPS	ublox UBX-G7020 (or UBX-M8030) module	ublox UBX-G7020 (or UBX-M8030) module
Mobile Communication 2G	-	-
Mobile Communication 3G	Optional HSDPA+UMTS+WCDMA	HSDPA+UMTS+WCDMA
PCI	-	-
PCIe	-	-
PCI/104	-	-
Operating System	Linux 3.10/3.14 (Yocto 1.6/1.8) / Android 4.2.2/4.4/6.x	Linux 3.14 (Yocto 1.8)
Operating System Support	-	-
Input Voltage Nominal	-	-
Input Voltage Min/Max	9 to 36VDC	9 to 36VDC
Output Voltage Nominal	-	-
Output Voltage Min/Max	-	-
Input Current	-	-
Input Power	-	-
Battery	-	-
Operating Temperature	-20 °C to 70 °C	-20 °C to 70 °C
Extended Operating Temperature	-	-
Storage Temperature	-	-
Relative Humidity	-	-
Protection	Overvoltage protection	Optional Overvoltage protection
Certification	CE, e13 (Vehicle), Class A FCC	CE, Class A FCC
Dimensions	138 x 204 x 48 mm (L x W x H)	125 x 147 x 41 mm (L x W x H)
Weight	tbd.	tbd.
Material	-	-
Typ. Application	Industrial, Automotive	Industrial, Automotive

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Automotive Box-PC 300 ARM Cortex A9, 4x LAN



Automotive Box-PC 100/120 ARM Cortex A7



Bestellinformation

Artikel-Nr. PKBA2010-2

Automotive Box-PC 300, ARM Cortex A9 iMX6,
1GHz QuadCore, 2GB DDR3, 4GB NAND, LAN,
GPS, Yocto, WiFi/BT, CAN, 4x LAN, Overvoltage
Protection

Artikel-Nr. PKBA2011-2

Automotive Box-PC 300, ARM Cortex A9 iMX6,
1GHz QuadCore, 2GB DDR3, 4GB NAND, LAN,
GPS, Android, WiFi/BT, CAN, 4x LAN, Overvoltage
Protection

Artikel-Nr. PKBA2012-2

Automotive Box-PC 300, ARM Cortex A9 iMX6,
1GHz DualCore, 1GB DDR3, 4GB NAND, LAN,
GPS, Yocto, WiFi/BT, CAN, 4x LAN, Overvoltage
Protection

Artikel-Nr. PKBA2013-2

Automotive Box-PC 300, ARM Cortex A9 iMX6,
1GHz DualCore, 1GB DDR3, 4GB NAND, LAN,
GPS, Android, WiFi/BT, CAN, 4x LAN, Overvoltage
Protection

Artikel-Nr. PKBA2000

Automotive Box-PC 100, ARM Cortex A7 iMX6UL,
500MHz Quad Core, 256MB DDR3, 512MB
NAND, LAN, 3G Q69, GPS, CAN, Yocto

Artikel-Nr. PKBA2000-1

Automotive Box-PC 100, ARM Cortex A7 iMX6UL,
500MHz Quad Core, 256MB DDR3, 512MB
NAND, LAN, 3G Q69, GPS, Yocto, CAN,
Overvoltage Protection

Artikel-Nr. PKBA2001

Automotive Box-PC 100, ARM Cortex A7 iMX6UL,
500MHz Quad Core, 256MB DDR3, 512MB
NAND, LAN, 3G Q69, GPS, Yocto, CAN, WiFi/BT

Artikel-Nr. PKBA2001-1

Automotive Box-PC 100, ARM Cortex A7 iMX6UL,
500MHz Quad Core, 256MB DDR3, 512MB
NAND, LAN, 3G Q69, GPS, Yocto, WiFi/BT, CAN,
Overvoltage Protection

Artikel-Nr. PKBA2002

Automotive Box-PC 120, ARM Cortex A7 iMX6UL,
500MHz Quad Core, 256MB DDR3, 512MB
NAND, LAN, 3G Q69, GPS, Yocto, CAN, w/
Battery Kit

Artikel-Nr. PKBA2002-1

Automotive Box-PC 120, ARM Cortex A7 iMX6UL,
500MHz Quad Core, 256MB DDR3, 512MB
NAND, LAN, 3G Q69, GPS, Yocto, CAN,
Overvoltage Protection, w/ Battery Kit

Artikel-Nr. PKBA2003

Automotive Box-PC 120, ARM Cortex A7 iMX6UL,
500MHz Quad Core, 256MB DDR3, 512MB
NAND, LAN, 3G Q69, GPS, Yocto, CAN, WiFi/BT,
w/ Battery Kit

Artikel-Nr. PKBA2003-1

Automotive Box-PC 120, ARM Cortex A7 iMX6UL,
500MHz Quad Core, 256MB DDR3, 512MB
NAND, LAN, 3G Q69, GPS, Yocto, CAN, WiFi/BT,
Overvoltage Protection, w/ Battery Kit

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