

Selection Guide

Automotive Box-PC

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6 Artikel aus dem Bereich
Automotive Box-PC
wurden für das PDF ausgewählt.

Selection Guide Automotive Box-PC



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



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



Automotive Box-PC 100/120 ARM Cortex A7

Cooling System	Fanless	Fanless	Fanless
Mounting System	Wall Mount	Wall Mount	Wall Mount
CPU	ARM Cortex-A9 CPU 1GHz NXP iMX6 Single / Dual / Quad Core	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)	1 GB (Single / Dual) or 2 GB (Quad)	256 MB
Maximum Equipment	4 GB	4 GB	512 MB
DRAM	-	-	-
SDRAM	-	-	-
DIMM / MemorySocket	DDR3	DDR3	DDR3
Compact Flash	x	x	x
SD	1x microSD interface	1x microSD interface	-
HDD	-	-	-
HD SATA	1x mSATA interface for SSD	1x mSATA interface for SSD	-
Removeable Storage	-	-	-
Graphic Interface	1x HDMI	1x HDMI	-
Interface COM	1x RS232, 1x RS485	1x RS232, 1x RS485	1x 1x RS232 (or RS485)
CAN	2x CAN bus (isolated)	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	2x Host (HS) / 1x OTG (HS) USB
Interface IEEE1394	-	-	-
Interface LAN	1x RJ45 10/100/1000 BASE-T, Optional 802.11 b/g/n/ac WLAN	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	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	Built-in 4.2/BLE	4.0 / BLE (optional)
eSATA	-	-	-
Audio	Optional MIC In	Optional MIC In	Optional MIC In
Headphone	Optional	Optional	Optional
SIM Card	Dual SIM card Slot	Dual SIM card Slot	SIM card slot single
GPS	ublox UBX-G7020 (or UBX-M8030) module	ublox UBX-G7020 (or UBX-M8030) module	ublox UBX-G7020 (or UBX-M8030) module
Mobile Communication 2G	-	-	-
Mobile Communication 3G	Optional HSDPA+UMTS+WCDMA	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 3.10/3.14 (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	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	-	-	-
Relative Humidity	-	-	-
Protection	Optional Overvoltage protection	Overvoltage protection	Optional Overvoltage protection
Certification	CE, e13 (Vehicle), Class A FCC	CE, e13 (Vehicle), Class A FCC	CE, Class A FCC
Dimensions	138 x 204 x 48 mm (L x W x H)	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.	tbd.
Material	-	-	-
Typ. Application	Industrial, Automotive	Industrial, Automotive	Industrial, Automotive

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



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



Automotive Box-PC 100/120 ARM Cortex A7

Bestellinformation

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

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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Selection Guide Automotive Box-PC



Vehicle Telematics Computer 1910-S



Vehicle Telematics Computer 1020



Vehicle Telematics Computer 1020-PA

Cooling System	Fanless	Fanless	Fanless
Mounting System	Wall Mount	Wall Mount	Wall Mount
CPU	Intel Atom® processor Bay Trail E3815, 1.46GHz	Intel® Atom x5-E3930 processor dual core 1.3GHz	Intel® Atom x5-E3930 processor dual core 1.3GHz
CPU Socket	-	-	-
Chipset	-	-	-
BIOS	-	-	-
Watchdog Timer	-	-	-
Controller	-	-	-
Basic Equipment	2GB	4GB	4GB
Maximum Equipment	8GB	8GB	8GB
DRAM	-	-	-
SDRAM	-	-	-
DIMM / MemorySocket	DDR3L SO-DIMM	DDR3L SO-DIMM	DDR3L SO-DIMM
Compact Flash	-	-	-
SD	-	-	-
HDD	-	-	-
HD SATA	1x SATA DOM, 1x mSATA	1x 2.5" SSD SATA 3.0, 1x mSATA	1x 2.5" SSD SATA 3.0, 1x mSATA
Removeable Storage	-	-	-
Graphic Interface	1x VGA/CRT	1x VGA/CRT, 1x HDMI	1x VGA/CRT, 1x HDMI, 1x LCD-LVDS
Interface COM	1x 1x DB15 for 2x RS232 (TX/RX), 1x 1x RS485 (TX/RX) only for PKBX5336	1x 1x DB15 COM port for 4x RS232 Tx/Rx and 2x RS485, 1x 1x DB15 for multi port	1x 1x DB15 COM port for 4x RS232 Tx/Rx and 2x RS485, 1x 1x DB15 for multi port
CAN	1x CAN 2.0B	1x CAN2.0 (optional SAE J1939)	1x CAN 2.0 (BOM option SAE J1939)
Galvanic Isolation	-	-	-
Interface USB	1x USB 2.0, 1x USB 3.0	2x USB 3.0	2x USB 3.0
Interface IEEE1394	-	-	-
Interface LAN	1x 10/100/1000 BASE-T, WLAN	1x 10/100/1000 BASE-T, WLAN	1x 10/100/1000 BASE-T, WLAN
Interface IO	3x Digital Input, 3x Digital Output	5x Digital Input, 5x Digital Output	5x Digital Input, 5x Digital Output
Mini PCIe	2x Mini PCIe	2x Mini PCIe	2x Mini PCIe
Mini PCI	-	-	-
Camera	-	-	-
Video Input	-	-	-
Resolution	-	-	-
Encoding	-	-	-
Decoding/Playback	-	-	-
Bluetooth	-	-	-
eSATA	-	-	-
Audio	1x Line-out / MIC-In	1x Audio-in, 1x Audio-out	3x Audio-in, 3x Audio-out
Headphone	-	-	-
SIM Card	2x SIM socket (micro type) with cover	1x	1x external
GPS	1x u-blox NEO-M8N GPS module	1x u-blox NEO-M8N GPS module	1x u-blox NEO-M8N GPS module
Mobile Communication 2G	-	-	-
Mobile Communication 3G	-	-	-
PCI	-	-	-
PCIe	2x Mini PCIe	2x Mini PCIe	2x Mini PCIe
PCI/104	-	-	-
Operating System	Windows 10 / 8 / 7, WES7 / WES8, Linux (by request)	Windows 10, Linux kernel 4.8 (or later), Linux YOCTO (by request)	Windows 10, Linux kernel 4.8 (or later), Linux YOCTO (by request)
Operating System Support	-	-	-
Input Voltage Nominal	-	5VDC TTL (internal type)	5VDC TTL (internal type)
Input Voltage Min/Max	9 to 36VDC	9 to 36VDC	9 to 36VDC
Output Voltage Nominal	-	5VDC TTL (sink type)	5VDC TTL (sink type)
Output Voltage Min/Max	-	-	-
Input Current	-	-	-
Input Power	-	20W	20W
Battery	-	-	-
Operating Temperature	-40°C to 70°C	-40°C to 70°C	-40°C to 70°C
Extended Operating Temperature	-	-	-
Storage Temperature	-40°C to 85°C	-40°C to 85°C	-40°C to 85°C
Relative Humidity	IEC60068-2-3, damp heat steady state test, 40°C, 95%, 48Hrs	10% to 90%, non-condensing	10% to 90%, non-condensing
Protection	-	-	-
Certification	CE, e13 (Vehicle), Class B FCC	CE, e13 (Vehicle), Class A FCC	CE, e13 (Vehicle), Class A FCC
Dimensions	130 x 120 x 32 mm (W x D x H)	185 x 120 x 45 mm (W x D x H)	185 x 120 x 50 mm (W x D x H)
Weight	0,6kg	1kg	1,1kg
Material	-	Aluminum top case with metal sheet	Aluminum top case with metal sheet
Typ. Application	Automotive	Automotive	Automotive

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Vehicle Telematics Computer 1910-S



Vehicle Telematics Computer 1020



Vehicle Telematics Computer 1020-PA

Bestellinformation

Artikel-Nr. PKBX5336
VTC 1910-S, w/ Intel Atom Bay Trail E3815
1.46GHz, 1x VGA, 2x RS232, 1x RS485, 1x CAN,
1x GB LAN, 1x Audio

Artikel-Nr. PKBX5331-1
VTC 1020, w/ Intel Atom x5-E3930 Dual Core
1.3GHz, 1x VGA, 1x HDMI, 7x COM, 1x CAN, 1x
Audio, 4GB DDR3L

Artikel-Nr. PKBX5331-2
VTC 1020, w/ Intel Atom x5-E3930 Dual Core
1.3GHz, 1x VGA, 1x HDMI, 7x COM, 1x CAN, 1x
Audio, 8GB DDR3L

Artikel-Nr. PKBX5332-2
VTC 1020-PA, w/ Intel Atom x5-E3930 Dual Core
1.3GHz, 1x VGA, 1x HDMI, 1x LVDS, 7x COM, 1x
CAN, 3x Audio, 4GB DDR3L

Artikel-Nr. PKBX5332-3
VTC 1020-PA, w/ Intel Atom x5-E3930 Dual Core
1.3GHz, 1x VGA, 1x HDMI, 1x LVDS, 7x COM, 1x
CAN, 3x Audio, 8GB DDR3L

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