

Selection Guide

COM Express Module

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13 Artikel aus dem Bereich
COM Express Module
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Selection Guide COM Express Module



COM Express Module 268



COM Express Module 668



COM Express Module 667

COM Express (125 x 95 mm)	Typ 2	Typ 6	Typ 6
CPU	Intel 3rd gen. Core i7/i5/i3; Intel Celeron	Intel 3rd generation Core i7/i5/i3 processor	Intel Core 3rd generation i7/i5/i3
CPU Socket	-	-	-
FSB Frequency	-	-	1.333/1.600 MHz
Chipset	Intel QM77 PCH	Intel QM77 PCH	Intel QM77 PCH
BIOS	AMI BIOS	AMI System UEFI BIOS	AMI System UEFI
Watchdog Timer	-	-	-
Basic Equipment	-	-	-
Maximum Equipment	16GB	16GB	16GB
DIMM / MemorySocket	DDR3 SO-DIMM	DDR3 SO-DIMM	DDR3 SO-DIMM
FDD	-	-	-
HD SATA	2x SATA 2.0, 2x SATA 3.0	4x	-
HD PATA	-	-	-
Graphic Interface	1x VGA/CRT, Optional DVI, Optional HDMI, Optional DisplayPort, 1x LCD-LVDS	1x VGA/CRT, 1x DVI, 1x HDMI, 1x DisplayPort, 1x LCD-LVDS, 1x LCD-SDVO	1x VGA/CRT, 1x DVI, 1x HDMI, 1x DisplayPort, 1x LCD-LVDS, 1x LCD-SDVO
Interface COM	-	-	-
Interface USB	8x USB 2.0	8x USB 2.0, 4x USB 3.0	8x USB 2.0, 3x USB 3.0
Interface LAN	1x 10/100/1000 BASE-T	10/100/1000 BASE-T	10/100/1000 BASE-T
Interface IO	GPIO	GPIO	GPIO
Sound	-	-	-
Audio	HD audio interface	Audio HD interface	High definition Audio (HDA)
PCI	1x PCI	-	-
PCIe	5x PCIe x1, PCIe x16	3x PCIe x1, 1x PCIe x4, PCIe x16	3x PCIe x1, 1x PCIe x4, 1x PCIe x16
Input Voltage Nominal	12V	12V	12VDC
Power Management	-	-	-
Battery	-	-	-
Operating Temperature	-15°C to 60°C	0°C to 60°C	-15°C to 60°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 90% (operating, non-condensing) 5% to 95% (non-operating, non-condensing)	10% to 90%, non-condensing	Operating: 10% to 90%, non-condensing Non-operating: 5% to 95%, non-condensing
Certification	CE, FCC	CE, FCC	CE, FCC
Certification	Industrial	Industrial	Industrial

Bestellinformation	Artikel-Nr. PMSS2405 COM Express Module 268 / QM77 Type 2, 3rd Intel Core pro.2xDDR3, 4xSATA, PCIe x16, 5xPCIex1 Artikel-Nr. PMSS2405-1 COM Express Module 268 F-kit, Active fan kits with heat-spreader,-sink and cool Artikel-Nr. PMSS2405-2 COM Express 8050C Type 2 carrier board, Evaluation Board, R 2.0 w. PCIe/PCI/mPCIe/SATA/CF	Artikel-Nr. PMSS2403 COM Express Module 668, Type 6 COM Express basic module QM77 Artikel-Nr. PMSS2403-1 COM Express Module 668 Type 6, Intel Core i5-3610ME 2.7GHz, 4x SATA, PCIe,DPort Artikel-Nr. PMSS2403-2 COM Express Module 668 Type 6, Intel Core i5-3610ME 2.7GHz, 4x SATA, PCIe,DPort Artikel-Nr. PMSS2403-3 COM Express Module 668 Type 6, Intel Core i7-3555LE 2.5GHz, 4x SATA, PCIe,DPort Artikel-Nr. PMSS2403-4 COM Express Module 668 Type 6, Intel Core i7-3517UE 1.7GHz, 4x SATA, PCIe,DPort Artikel-Nr. PMSS2403-5 COM Express Module 668 Type 6, Intel Core i3-3217UE 1.6GHz,4x SATA, PCIe, DPort Artikel-Nr. PMSS2404-4 COM Express Type 6 carrier board, COM.0 Rev. 2.0 Evaluation for Module 667 and 668	Artikel-Nr. PMSS2404 COM Express Module 667, Type 6 COM Express basic module QM77 Artikel-Nr. PMSS2404-1 COM Express Module 667F-kit, COM Active fan kits heat-spreader, heat-sink, fan Artikel-Nr. PMSS2404-2 COM Express Type 6 carrier board, COM.0 Rev. 2.0 Evaluation
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COM Express Module 670



COM Express Module 671



COM Express Module 673

COM Express (125 x 95 mm)	Typ 6	95 x 95 mm	95 x 95 mm
CPU	4th generation Intel® Core processors(Haswell-M/ Shark Bay-MB)	4th generation Intel® Core™ i7/i5/i3 processor MCP	On-board Intel® Core i5-6300U Dual Core (codename Skylake)
CPU Socket	Intel® BGA 1364	-	-
FSB Frequency	-	-	-
Chipset	Intel® 8 series (Lynx Point-M) PCH chipset	-	-
BIOS	AMI System UEFI BIOS	AMI UEFI BIOS	AMI System BIOS
Watchdog Timer	-	-	-
Basic Equipment	-	-	-
Maximum Equipment	16GB	16GB	32GB
DIMM / MemorySocket	2x DDR3L SO-DIMM	DDR3 SO-DIMM	DDR4 SO-DIMM
FDD	-	-	-
HD SATA	-	4x SATA 3.0	2x SATA 3.0
HD PATA	-	-	-
Graphic Interface	1x VGA/CRT, 1x DVI, 1x HDMI, 1x DisplayPort, 1x LCD-LVDS	1x VGA/CRT, 1x DVI, 1x HDMI, 1x DisplayPort, 1x LCD-LVDS	1x (via 2x DDI) DVI, 1x (via 2x DDI) HDMI, 2x (via 2x DDI) DisplayPort
Interface COM			
Interface USB	8x USB 2.0, 4x USB 3.0	8x USB 2.0, 2x USB 3.0	8x USB 2.0, 4x USB 3.0
Interface LAN	10/100/1000 BASE-T	10/100/1000 BASE-T	10/100/1000 BASE-T
Interface IO	GPIO	GPIO	GPIO
Sound	-	HD audio interface	-
Audio	High Definition Audio	-	-
PCI	-	-	-
PCIe	PCIe x16, 7x PCIe x1, 1x PCIe x4	4x PCIe x1	4x PCIe x1
Input Voltage Nominal	12V	12V	12VDC
Power Management	-	-	-
Battery	-	3.3V RTC power	-
Operating Temperature	-15°C to 60°C	-15°C to 60°C	-10°C to 60°C
Extended Operating Temperature	-	-	-
Storage Temperature	-20°C to 80°C	-20°C to 80°C	-20°C to 85°C
Relative Humidity	10% to 90%, operating and non-condensing 5% to 95%, non-operating and non-condensing	10% to 90% (operating, non-condensing), 5% to 95% (non-operating, non-condensing)	10% to 90% (operating, non-condensing), 5% to 95% (non-operating, non-condensing)
Certification	CE, FCC	CE, FCC	CE, Class B FCC
Certification	Industrial	Industrial	Industrial
Bestellinformation	Artikel-Nr. PMSS2406 COM Express Module 670-4400E Type 6, Intel Core i5-4400E 2.7GHz, USB 3.0, GbE, VGA, LVDS Artikel-Nr. PMSS2406-1 COM Express Module 670 Type 6, Intel Core i7-4700EQ 2.7GHz, USB3.0, GbE, VGA, LVDS	Artikel-Nr. PMSS2408 COM Express Module 671-4300U Type 6, Intel Core i5-4300U 1.9GHz, 10x USB, VGA, LVDS, DP Artikel-Nr. PMSS2408-1 COM Express Module 671-2980U Type 6, Intel Celeron 2980U 1.6GHz, 10x USB, VGA, LVDS, DP	Artikel-Nr. PMSS2414 Compact COM Express Module 673-i5-6300U Type 6, Intel Core i5-6300U Dual Core, 2x SATA 3.0, 5x PCIe x1 Artikel-Nr. PMSS2413-1 Compact COM Express Module 621-N3050 Type 6, Intel Celeron N3050 Dual Core, 2x SATA 3.0, 4x PCIe x1

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COM Express Module 267S



COM Express Module 267



COM Express Module 501X

COM Express (125 x 95 mm)	Typ 2	Typ 2	x
CPU	2nd Intel Core processor family	Intel Core Mobile	Intel® Atom quad core Bay-trail-I SOC up to 1.91GHz
CPU Socket	-	Socket FCPGA 998	-
FSB Frequency	-	1.066/1.333MHz	-
Chipset	Intel QM67 PCH	-	-
BIOS	AMI	AMI	AMI system BIOS
Watchdog Timer	-	-	-
Basic Equipment	-	-	2GB
Maximum Equipment	8GB	8GB	4GB
DIMM / MemorySocket	DDR3	DDR3	DDR3L
FDD	-	-	-
HD SATA	3x	3x	2x SATA 2.0
HD PATA	-	1x	-
Graphic Interface	1x VGA/CRT, 1x LCD-LVDS	1x VGA/CRT, 1x LCD-LVDS	HDMI, LCD-LVDS
Interface COM	-	-	-
Interface USB	8x USB 2.0	8x USB 2.0	7x USB 2.0, 1x USB 3.0
Interface LAN	10/100/1000 BASE-T	1x 10/100/1000 BASE-T	10/100/1000 BASE-T
Interface IO	GPIO	4x In, 4x Out GPIO	GPIO
Sound	High definition audio (HDA)	High Definition Audio (HDA)	-
Audio	-	-	-
PCI	-	1x	-
PCIe	1x PCIe x4 2x PCIe x1	4x	4x
Input Voltage Nominal	12V	12VDC	12V
Power Management	-	-	-
Battery	-	-	-
Operating Temperature	-15°C to 60°C	0°C to 60°C	-40°C to 85°C
Extended Operating Temperature	-	-	-
Storage Temperature	-20°C to 80°C	-20°C to 80°C	-40°C to 85°C
Relative Humidity	10% to 90%	Operating: 10% to 90%, non-condensing Non-operating: 5% to 95%, non-condensing	10% to 90%, non-condensing
Certification	-	CE, FCC	CE, FCC
Certification	-	Industrial	-
Bestellinformation	Artikel-Nr. PMSS2402-1 COM Express Module 267S-i5-2515E Type 2, Intel Core i5-2515E 2.5GHz, 3x SATA, PCI, SDVO Artikel-Nr. PMSS2402-2 COM Express Module 267S-i7-2610UE Type 2, Intel Core i7-2610UE 1.5GHz, 3x SATA, PCI, SDVO Artikel-Nr. PMSS2402-3 COM Express Module 267S-i7-2715QE Type 2, Intel Core i7-2715QE 2.1GHz, 3x SATA, PCI, SDVO Artikel-Nr. PMSS2402-4 COM Express Module 267S-Celeron-B810E Type 2, Intel Celeron B810E 1.6GHz, 3x SATA, PCI, SDVO Artikel-Nr. PMSS2402-6 COM Express Module 267S-847E Type 2, Intel Celeron Mobile 847E/HM65, 3x SATA, PCI, SDVO Artikel-Nr. PMSS2402-5 COM Express Type 2 carrier board 8050C, Evaluation Board, R 2.0 with PCIe/ PCI/ SATA/ CF	Artikel-Nr. PMSS2400 COM Express Module 267-SKT Type 2, 2nd Intel Core Mobile processor, 3x SATA, PCIe x16 Artikel-Nr. PMSS2402-5 COM Express Type 2 carrier board, Evaluation Board, R 2.0 with PCIe/PCI/SATA/CF	Artikel-Nr. PMSS2412 COM Express Module 501X-E3845 Type 10, Atom E3845/4C, 1.91GHz, PCIe, HDMI, LVDS, 4GB DDR3L Artikel-Nr. PMSS2412-1 COM Express Module 501X-E3826 Type 10, Atom E3826/2C, 1.46GHz, PCIe, HDMI, LVDS, 2GB DDR3L

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Selection Guide COM Express Module



COM Express Module 620X



COM Express Module 254



COM Express Module 621

COM Express (125 x 95 mm)	Typ 6	Typ 2	95 x 95 mm
CPU	Embedded Intel® Atom E3800 family processors with Quad Core support	Intel Atom Dual Core processor D2550, 1.86GHz Intel Atom Dual Core processor N2800, 1.86GHz	On-board Intel® Pentium® N3150 Quad Core / Intel® Celeron® N3050 Dual Core (codename Braswell)
CPU Socket	-	-	-
FSB Frequency	-	-	-
Chipset	-	Intel ICH10R	-
BIOS	AMI System BIOS	AMI	AMI System BIOS
Watchdog Timer	-	-	-
Basic Equipment	-	-	-
Maximum Equipment	8GB	4GB	8GB
DIMM / MemorySocket	2x DDR3L SO-DIMM	DDR3	DDR3L SO-DIMM
FDD	-	-	-
HD SATA	2x SATA 2.0	4x	2x SATA 3.0
HD PATA	-	-	-
Graphic Interface	1x VGA/CRT, Optional HDMI, 2x DisplayPort	1x VGA/CRT, 1x HDMI, 1x LCD-LVDS	1x VGA/CRT, 1x HDMI, 2x (HDMI) DisplayPort
Interface COM	-	-	-
Interface USB	7x USB 2.0, 1x USB 3.0	8x USB 2.0	8x USB 2.0, 4x USB 3.0
Interface LAN	10/100/1000 BASE-T	1x 10/100/1000 BASE-T	10/100/1000 BASE-T
Interface IO	GPIO	-	GPIO
Sound	-	High definition Audio (HDA)	-
Audio	-	-	-
PCI	-	1x	-
PCIe	4x PCIe x1	5x PCIe x1	4x PCIe x1
Input Voltage Nominal	12V	12VDC	12VDC
Power Management	-	-	-
Battery	-	-	3.3V RTC power
Operating Temperature	-40°C to 85°C	-15°C to 60°C	-40°C to 65°C
Extended Operating Temperature	-	-	-
Storage Temperature	-20°C to 80°C	-20°C to 80°C	-20°C to 85°C
Relative Humidity	10% to 90%, operating, non-condensing	10% to 90%, non-condensing	10% to 90% (operating, non-condensing), 5% to 95% (non-operating, non-condensing)
Certification	CE, FCC	-	CE, Class B FCC
Certification	Industrial	-	Industrial
Bestellinformation	Artikel-Nr. PMSS2407 COM Express Module 620X-E3845 Type 6, Intel Atom Baytrail 4x 1,91GHz, -40°C to +85°C Artikel-Nr. PMSS2407-1 COM Express Module 620X-E3826 Type 6, Intel Atom Baytrail 2x 1,46GHz, -40°C to +85°C	Artikel-Nr. PMSS2401 COM Express Module 254 Type 2, Intel Atom D2700 2.13GHz, 4x SATA, 5x PCIe x1 Artikel-Nr. PMSS2401-1 COM Express Module 254-2800 Type 2, Intel Atom N2800 1.86GHz, 4x SATA, 5x PCIe x1 Artikel-Nr. PMSS2402-5 COM Express Type 2 carrier board 8050C, Evaluation Board, R 2.0 with PCIe/PCI/SATA/CF	Artikel-Nr. PMSS2413 Compact COM Express Module 621-N3150 Type 6, Intel Pentium N3150 Quad Core, 2x SATA 3.0, 4x PCIe x1 Artikel-Nr. PMSS2413-1 Compact COM Express Module 621-N3050 Type 6, Intel Celeron N3050 Dual Core, 2x SATA 3.0, 4x PCIe x1

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Compact COM Express Type 6 module w/ IntelCore

COM Express (125 x 95 mm)	95 x 95 mm
CPU	5th Generation Low Power Intel®Core i7/i5/i3 and Celeron® System-on-Chip
CPU Socket	-
FSB Frequency	-
Chipset	-
BIOS	AMI EFI with CMOS backup in 8MB SPI BIOS
Watchdog Timer	x
Basic Equipment	-
Maximum Equipment	up to 32GB
DIMM / MemorySocket	dual SODIMM socket
FDD	-
HD SATA	4 ports SATA 6Gb/s
HD PATA	-
Graphic Interface	HDMI, DisplayPort, LCD-LVDS
Interface COM	2x UART with console redirection
Interface USB	8x USB 1.1, 8x USB 2.0, 2x USB 3.0
Interface LAN	10/100/1000 BASE-T
Interface IO	4x GPO and 4x GPI GPIO
Sound	Intel® HD Audio integrated in U-Series SoC
Audio	located on carrier Express-BASE6
PCI	-
PCIe	4x
Input Voltage Nominal	ATX = ATX = 12V±5% / 5Vsb ±5% or AT = 12V±5%
Power Management	ACPI 4.0 compliant, Smart Battery support
Battery	-
Operating Temperature	0°C to 60°C
Extended Operating Temperature	-40°C to 85°C (build option)
Storage Temperature	-
Relative Humidity	5-90% RH operating, non-condensing
Certification	-
Certification	-

Bestellinformation	Artikel-Nr. PMSS2420 Compact COM Express Type 6 module w/ IntelCore, IntelCore i3-5010U 2.1GHz w/ GT2, 0°C to +60°C
	Artikel-Nr. PMSS2420-1 Compact COM Express Type 6 module w/ IntelCore, IntelCore i5-5350U 1.8/2.9GHz w/GT3, 0°C to +60°C
	Artikel-Nr. PMSS2420-2 Compact COM Express Type 6 module w/ IntelCore, IntelCore i7-5650U 2.2/3.2GHz w/GT3, 0°C to +60°C
	Artikel-Nr. PMSS2420-3 Compact COM Express Type 6 module w/ IntelCeleron, Intel Celeron, 0°C to +60°C
	Artikel-Nr. PMSS2421 Compact COM Express Type 6 module w/ IntelCore, IntelCore i3-5010U 2.1GHz w/ GT2, -40°C to +85°C
	Artikel-Nr. PMSS2421-1 Compact COM Express Type 6 module w/ IntelCore, IntelCore i5-5350U 1.8/2.9GHz w/GT3, -40°C to +85°C
	Artikel-Nr. PMSS2421-2 Compact COM Express Type 6 module w/ IntelCore, IntelCore i7-5650U 2.2/3.2GHz w/GT3, -40°C to +85°C
	Artikel-Nr. PMSS2421-3 Compact COM Express Type 6 module w/ IntelCore, Intel Celeron, -40°C to +85°C

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