

Product Highlights

Computer-on-Module

- [COM Express® Basic](#), [Compact](#), [Mini](#)
- [Qseven®](#)
- [SMARC™](#)
- [ETX®](#)



Qseven®
(70 x 70 mm)



SMARC™
(84 x 55 mm)



COM Express® mini
(84 x 55 mm)



COM Express® Compact
(95 x 95 mm)



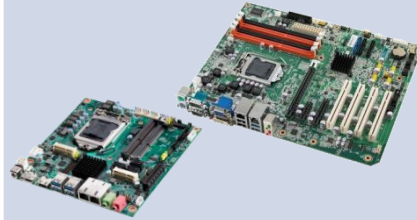
COM Express® Basic
(125 x 95 mm)

Embedded Boards



2,5" Pico-ITX™
3,5" Single Board Computer
PC/104
Slot SBC
Computer-on-Module

Industrial Mainboards



Mini-ITX™
Micro-ATX
Flex-ATX
ATX

Embedded Systems



Embedded Box PCs
Embedded Panel PCs
Embedded Server
Embedded Desktop PCs
Digital Signage Player
Industrial Monitors

Accessories & IoT



Gateways
Switches
Router
Memory, CPUs
Cables
Power Supplies

Available Features & Options:

Designed for Industrial Applications
Extended Temperature -40°C...+85°C
Design-in Support
Kits (Board with OS, Display & Cables)

Long-term Availability
Custom Design
Fixed Bill of Material
EOL / PCN Handling

Systems

- Custom
- Standard



Kit Solutions

- Embedded Board
- Operating System
- Accessories e.g. Cable/Memory



Distribution

- Embedded Boards
- Displays
- Power Supplies



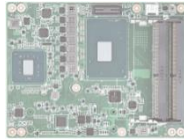
COM Express® Basic Type 6 & Type 7



COM Express® Basic
(125 x 95 mm)

COM Express® Basic (95 x 125 mm)

Intel® Core™ i CPU (Kaby Lake & Skylake)



Product	SOM-5898	COMe-bKL6	ET970	SOM-5897	COMe-bSL6
Vendor	ADVANTECH	Kontron	iBASE	ADVANTECH	Kontron
Type / Pin-out	Type 6 R2.1	Type 6	Type 6	Type 6	Type 6
Processor	Intel® Core™ i , Xeon (7th Gen.) i7-7820EQ, i5-7442EQ, i5-7442EQ, i3-7100E, i3-7102E, E3-1505MV6, E3-1505LV6	Intel® Core™ i , Xeon® (7th Gen.) E3-1505M, E3-1505L, i7-7820EQ, i5-7440EQ, i5-7442EQ, i3-7100E, i3-7102E	Intel® Xeon®, Core™ i (7th Gen.) i7-7820EQ, i5-7440EQ, i3-7100E,	Intel® Core® i , Xeon, Celeron® i7-6820EQ, i7-6822EQ, i5-6440EQ, i5-6442EQ, i3-6100E, i3-6102E, G3900E, E3-1505L, E3-1515M	Intel® Xeon®, Core® i, Celeron® E3-1515M, E3-1505M, E3-1505L, i7-6820EQ, i7-6822EQ, i5-6440EQ, i5-6442EQ, i3-6100E, i3-6102E, G3900E, i7-6100E
Chipset	Intel® CM238 & QM175	Intel® CM238 & QM175	Intel® CM238 & QM175	Intel® QM170	Intel® CM236 & QM170
Memory	32GB DDR4 max.	2x16GB DDR4 max.	32GB DDR4 max.	32GB DDR4 max.	2x16GB DDR4 max.
Graphic	48-bit LVDS, 2x DDI, VGA	48-bit LVDS, DDI1 (DP++), DDI2 (DP++), DDI3 (DP++)	DVI, HDMI, DP, 48-bit LVDS	48-bit LVDS, 2x DDI, VGA	48-bit LVDS, 3x DDI
Storage	4x SATA III	4x SATA	4x SATA III	4x SATA	4x SATA
Ethernet	Intel® i219 10/100/1000Mbit	10/100/1000Mbit	Intel® i219LM 10/100/1000Mbit	Intel® i219 10/100/1000Mbit	Intel® i219LM 10/100/1000Mbit
I/O	4x USB 3.0, 8x USB 2.0, 2x COM	4x USB 3.0, 4x USB 2.0, 2x COM	4x USB 3.0, 8x USB 2.0, 2x COM	4x USB 3.0, 8x USB 2.0, 2x COM	4x USB 3.0, 4x USB 2.0, 2x COM
Power	8,5-20 V	8,5-20 V		8,5-20 V	8,5-20 V

COM Express® Basic Type 7 & 6

COM Express Boards mit 10GbE



Product	COMe-bBD7	SOM-5992	SOM-5991	COMe-bBD6
Vendor	Kontron	ADVANTECH	ADVANTECH	Kontron
Type / Pin-out	Type 7	Type 7 R3.0	Type 6	Type 6
Processor	Intel® Xeon® D-1577, D-1548, D-1537, D-1528, D-1527, D-1559, D-1539 Pentium® D1517, D1508, D1519	Intel® Xeon® D-1577, D-1548, D-1537, D-1527, D-1559, D-1539 Pentium® D1517, D1508, D1519	Intel® Xeon® D-1548, Pentium® D1508	Intel® Xeon®, Pentium® D-1548, D-1537, D-1528, D-1527, D-1527, D1517, D1508, D-1518, D1519, D-1539, D-1559
Chipset	SoC Broadwell	SoC Broadwell	SoC	SoC
Memory	32GB DDR4 max.	64GB DDR4 max.	32GB DDR4 max.	32GB DDR4 max.
Graphic	-/-	-/-	-/-	-/-
Storage	2x SATA III, max. 32GB SSD (onboard)	2x SATA III,	4x SATA III	4x SATA III
Ethernet	2x Intel® 10GbE Interface 1x 10/100/1000Mbit	2x Intel® 10GbE Interface 1x 10/100/1000Mbit	2x Intel® 10GbE Interface 1x 10/100/1000Mbit	2x Intel® 10GbE Interface 1x 10/100/1000Mbit
I/O	24x PCIe, 8x PCI, 4x USB 3.0, 2x seriell, SPI, LPC, SMB	24x PCIe, 4x USB 3.0, 4x USB 2.0, 2x COM, SMBus, I2C, SPI, LPC	24x PCIe, 4x USB 3.0, 4x USB 2.0, 2x COM, SMBus, I2C, SPI, GPIO	24x PCIe, 4x USB 3.0, 4x USB 2.0, 2x COM, SMBus, I2C, SPI, GPIO
Power	8,5-20 V	8,5-20 V	8,5-20 V	8,5-20 V

COM Express® Compact



COM Express® Compact
(95 x 95 mm)

COM Express® Compact

Intel® Atom™ (Bay Trail & Apollo Lake)



Product	SOM-6869	COMe-cAL6	SOM-6867	COMe-cBT6	ET860
Vendor	ADVANTECH	Kontron	ADVANTECH	Kontron	iBASE
Type / Pin-out	Type 6	Type 6	Type 6	Type 6	Type 6
Processor	Intel® Atom™ x5-E3930, x5-E3940, x7-E3950, Celeron® N3350, Pentium® N4200	Intel® Atom™ x7-E3950, x5-E3940, x5-E3930, Celeron® N3350, Pentium® N4200	Intel® Atom™ E3845, E3827, E3825, Celeron® J1900	Intel® Atom™ E3845, E3827, E3826, E3825, E3815, Celeron® J1900, N2920, N2930, N2807	Intel® Atom™ E3845, E3827
Chipset	SoC Apollo Lake	SoC Apollo Lake	SoC Bay Trail	SoC Bay Trail	SoC Bay Trail
Memory	8GB DDR3L max.	8GB DDR3L max.	8GB DDR3L max.	8GB DDR3L max.	8GB DDR3L max.
Graphic	48-bit LVDS, VGA, DDI	24-bit LVDS or eDP, 2x DDI (DP++)	48-bit LVDS, VGA, DDI	48-bit LVDS or DDI, DDI (DP++)	LVDS, VGA, DP
Storage	2x SATA III	2x SATA, 128GB max. (onboard)	2x SATA II, 64GB max. (onboard)	2x SATA, 128GB max. (onboard)	2x SATA II, MicroSD
Ethernet	10/100/1000 Mbit	10/100/1000 Mbit	10/100/1000 Mbit	10/100/1000 Mbit	10/100/1000 Mbit
I/O	2x USB 3.0, 8x USB 2.0, 2x COM	4x USB 3.0, 4x USB 2.0, Serial	1x USB 3.0, 8x USB 2.0, 2x COM	1x USB 3.0, 3x USB 2.0, Serial	1x USB 3.0, 8x USB 2.0, 2x COM

COM Express® Compact

Intel® Core® i (Kaby Lake & Skylake)



Product	SOM-6898	COMe-cKL6	SOM-6897	COMe-cSL6	ET975
Vendor	ADVANTECH	Kontron	ADVANTECH	Kontron	iBASE
Type / Pin-out	Type 6	Type 6	Type 6	Type 6	Type 6
Processor	Intel® Core™ i7-7600U, i5-7300U, i3-7100U, Celeron® 3965U	Intel® Core™ i7-7600U, i5-7300U, i3-7100U, Celeron® 3965U	Intel® Core™ i7-6600U, i5-6300U, i3-6100U, Celeron® 3955U	Intel® Core™ i7-6600U, i5-6300U, i3-6100U	Intel® Core™ i7-7600U, i5-7300U, i3-7100U
Chipset	SoC Kaby Lake	SoC Kaby Lake	SoC Skylake	SoC Skylake	SoC Kaby Lake
Memory	32GB DDR4 max.	16GB DDR4 max.	16GB DDR4 max.	16GB DDR4 max.	32GB DDR4 max.
Graphic	48-bit LVDS, DDI	48-bit LVDS, 2x DDI	48-bit LVDS, DDI	48-bit LVDS, 2x DDI	48-bit LVDS, DVI, HDMI, DP
Storage	2x SATA (3x optional)	2x SATA, 32GB max. (optional)	2x SATA (3x optional)	2x SATA, 32GB max. (optional)	2x SATA eMMC (optional)
Ethernet	10/100/1000 Mbit	10/100/1000 Mbit	10/100/1000 Mbit	10/100/1000 Mbit	10/100/1000 Mbit
I/O	4x USB 3.0, 8x USB 2.0, 2x COM	4x USB 3.0, 4x USB 2.0, 2x COM	4x USB 3.0, 8x USB 2.0, 2x COM	4x USB 3.0, 4x USB 2.0, 2x COM	4x USB 3.0, 8x USB 2.0, COM

COM Express® Mini



COM Express® mini
(84 x 55 mm)

COM Express® Mini

Intel® Atom™ (Bay Trail & Apollo Lake)



Product	SOM-7569	SOM-7567	COMe-mAL10	COMe-mBT10
Vendor	ADVANTECH	ADVANTECH	Kontron	Kontron
Type / Pin-out	COM R.2.1 Type 10	COM R.2.1 Type 10	Typ 10	Typ 10
Processor	Intel® Atom™ x5-E3930, x5-E3940, x7-E3950, Celeron® N3350, Pentium® N4200	Intel® Atom™ E3845, E3825, E3815, Celeron® J1900, N2930	Intel® Atom™ x5-E3930, x5-E3940, x7-E3950, Celeron® N3350, Pentium® N4200	Intel® Atom™ E3845, E3827, E3826, E3825, E3815, Celeron® J1900, N2920, N2930, N2807
Chipset	SoC Apollo Lake	SoC Bay Trail	SoC Apollo Lake	SoC Bay Trail
Memory	8GB max. (onboard)	4GB max. (onboard)	8GB max. (onboard)	4GB max. (onboard)
Graphic	48-bit LVDS or eDP, HDMI or DP	24-bit LVDS, DDI	24-bit LVDS, DDI	24-bit LVDS or eDP, DDI
Storage	2x SATA, 32GB max. (onboard)	1x SATA, 64GB max. (onboard)	2x SATA, 32GB max. (onboard)	2x SATA, 64GB max (onboard)
Ethernet	10/100/1000 Mbit	10/100/1000 Mbit	10/100/1000 Mbit	10/100/1000 Mbit
I/O	2x USB 3.0, 8x USB 2.0, 2x COM	1x USB 3.0, 4x USB 2.0, 2x COM	2x USB 3.0, 8x USB 2.0, 2x Serial	1x USB 3.0, 3x USB 2.0, 2x Serial

Qseven® & SMARC™



Qseven®
(70 x 70 mm)



SMARC™
(84 x 55 mm)

Qseven® & SMARC™

Intel® Atom™ (Bay Trail & Apollo Lake)



Product	SOM-3569	SMARC-sXAL	SOM-3567	SMARC-sXBTi
Vendor	ADVANTECH	Kontron	ADVANTECH	Kontron
Type / Pin-out	Qseven® 2.1 (70x70mm)	SMARC 2.0	Qseven® 2.1 (70x70mm)	SMARC
Processor	Intel® Atom™ x5-E3930, x5-E3940, x7-E3950, Celeron® N3350, Pentium® N4200	Intel® Atom™ x7-E3950, x5-E3940, x5-E3930, Celeron® N3350, Pentium® N4200	Intel® Atom™ E3845, E3827, E3825, E3815, Celeron® J1900	Intel® Atom™ E3845, E3827, E3826, E3825, E3815,
Chipset	SoC Apollo Lake	SoC Apollo Lake	SoC Bay Trail	SoC Bay Trail
Memory	8GB max. (onboard)	8GB max. (onboard)	8GB max. (onboard)	8GB max. (onboard)
Graphic	48-bit LVDS, DDI	48-bit LVDS or eDP, HDMI, DP	48-bit LVDS, DDI	24-bit LVDS or eDP, HDMI or DP
Storage	2x SATA, 64GB max. (onboard)	SATA II, mSATA	2x SATA, 32GB max. (onboard)	1x SATA, 64GB max (onboard)
Ethernet	10/100/1000 Mbit	10/100/1000 Mbit	10/100/1000 Mbit	10/100/1000 Mbit
I/O	2x USB 3.0, 5x USB 2.0, 2x COM, CAN, MIPI-CSI, LPC	2x USB 3.0, 4x USB 2.0, Serial, I2S, I2C, SPI, MIPI CSI	1x USB 3.0, 6x USB 2.0, 2x COM, LPC	1x USB 3.0, 3x USB 2.0, Serial, I2S, I2C, SPI, MIPI CSI

ETX[®]



ETX® (95 x 114 mm)

Intel® Atom™ (Bay Trail), AMD®



Product	ETX839	SOM-4466	ETX-0H
Vendor	iBASE	ADVANTECH	Kontron
Type / Pin-out	ETX (3.0)	ETX (3.02)	ETX (3.0)
Processor	Intel® Atom™ E3845	AMD® T16R, T40E, T56N	AMD® T16R, T40E, T56N, T52R, T40R
Chipset	SoC Bay Trail	AMD® A55E	AMD® A55E
Memory	4GB DDR3L max.	4GB DDR3 max.	4GB DDR3 max.
Graphic	48-bit LVDS, DDI, VGA	VGA, TTL, 24-bit LVDS	DP++, 24-bit LVDS, VGA
Storage	SATA II, IDE	SATA II, mSATA, IDE	2x SATA, 2x IDE
Ethernet	Realtek 8106E 10/100 Mbit	Realtek 8105E 10/100 Mbit	Broadcom BCM54610 10/100 Mbit
I/O	4x USB 2.0, ISA- / PCI-Bus, 2x RS232, PS/2, LPT	4x USB 2.0, ISA- / PCI-Bus, 2x COM, PS/2, LPT	4x USB 2.0, ISA- / PCI-Bus, 2x COM, LPT

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