

## Product Highlights

# Single Board Computer & Motherboards

[3,5" Single Board Computer](#)

[2,5" Pico-ITX](#)

[PC/104 CPU Module](#)

[Mini-ITX Motherboards](#)



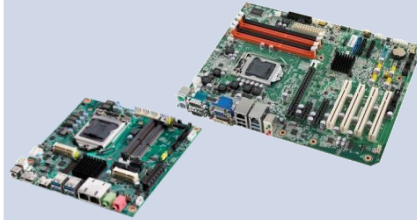
09.10.2017

## 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



# 3,5" Single Board Computer



# 3,5" Single Board Computer (SBC)

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

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Product	<a href="#">IB917</a>	<a href="#">IB916</a>	<a href="#">MIO-5272</a>	<a href="#">IB915</a>
Vendor	iBASE	iBASE	ADVANTECH	iBASE
Processor	Intel® Core™ i (7th Gen.) i7-7600U, i5-7300U, i3-7100U, Celeron® 3965U	Intel® Core™ i (7th Gen.) i7-7600U, i5-7300U, i3-7100U, Celeron® 3965U	Intel® Core™ i (6th Gen.) i7-6600U, i5-6300U, i3-6100U, Celeron® 3955U	Intel® Core™ i (6th Gen.) i7-6600U, i5-6300U, i3-6100U, Celeron® 3955U
Chipset	SoC Kaby Lake	SoC Kaby Lake	SoC Skylake	SoC Skylake
Memory	32GB DDR4 max.	32GB DDR4 max.	16GB DDR3L max.	16GB DDR3L max.
Graphic	48-bit LVDS, DP, HDMI	eDP, DP, HDMI	48-bit LVDS, HDMI, VGA	48-bit LVDS, eDP, DP
Storage	1x mSATA (shared) 2x SATA	1x mSATA (shared) 2x SATA	1x mSATA (shared) 2x SATA	1x mSATA (shared) 2x SATA
Ethernet	2x 10/100/1000Mbit	2x 10/100/1000Mbit	2x 10/100/1000Mbit	2x 10/100/1000Mbit
I/O	4x USB 3.0, 2x USB 2.0, 1x RS232/422/485 3x RS232	4x USB 3.0, 2x USB 2.0, 1x RS232/422/485 3x RS232	2x USB 3.0, 4x USB 2.0, 2x RS232/422/485	4x USB 3.0, 2x USB 2.0, 1x RS232/422/485, 3x RS232
Audio	HD Audio	HD Audio	HD Audio	HD Audio
GPIO	x	x	x	x
Expansion	miniPCIe	miniPCIe	2x miniPCIe	miniPCIe
Power	9-24 VDC	9-24 VDC	12 VDC	9-24 VDC

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# 3,5" Single Board Computer (SBC)

Intel® Atom™ CPU (Apollo Lake)



Product	<a href="#">MIO-5350</a>	<a href="#">IB811</a>	<a href="#">3.5"-SBC-APL</a>	<a href="#">PCM-9366</a>
Vendor	ADVANTECH	iBASE	Kontron	ADVANTECH
Processor	Intel® Atom™, Celeron®, Pentium® E39XX/N3350/N4200	Intel® Atom™, Celeron®, Pentium® E39XX/N3350/N4200	Intel® Atom™, Celeron® E39XX/N3350	Intel® Atom™, Celeron®, Pentium® E39XX/N3350/N4200
Chipset	SoC Apollo Lake	SoC Apollo Lake	SoC Apollo Lake	SoC Apollo Lake
Memory	8GB DDR3L max.	8GB DDR3L max.	8GB DDR3L max.	8GB DDR3L max.
Graphic	48-bit LVDS, VGA, eDP*, HDMI/DP*	48-bit LVDS/eDP, HDMI	48-bit LVDS, HDMI, DP	48-bit LVDS, VGA, eDP*, HDMI/DP*
Storage	1x mSATA (shared) 2x SATA	2x SATA	1x SATA, eMMC	1x mSATA (shared) 2x SATA
Ethernet	2x 10/100/1000Mbit	2x 10/100/1000Mbit	2x 10/100/1000Mbit	2x 10/100/1000Mbit
I/O	2x USB 3.0, 4x USB 2.0, 2x RS232/422/485, 2x RS232	4x USB 3.0, 2x USB 2.0, 1x RS232/422/485 3x RS232	3x USB 3.0, 2x USB 2.0, 1x RS232/422/485 1x RS232	2x USB 3.0, 4x USB 2.0, 2x RS232/422/485, 2x RS232
Audio	HD Audio	HD Audio	HD Audio	HD Audio
GPIO	8-bit	x	x	8-bit
Expansion	miniPCIe (mSATA) M.2 Key E	miniPCIe M.2 Key B	2x miniPCIe	miniPCIe (mSATA) M.2 Key E
Power	12 VDC	9-36 VDC	12 VDC	12 VDC



# 3,5" Single Board Computer (SBC)

Intel® Atom™ CPU (Bay Trail)



Product	<a href="#">MIO-5251</a>	<a href="#">IB897 (IB898)</a>	<a href="#">3.5"-SBC-E38</a>	<a href="#">PCM-9365</a>
Vendor	ADVANTECH	iBASE	Kontron	ADVANTECH
Processor	Intel® Atom™, Celeron® E3825/E3845/J1900	Intel® Atom™ E3845/E3827/E3815 (E3825/E3815)	Intel® Atom™ E3815	Intel® Atom™, Celeron®, E3825/N2930
Chipset	SoC Bay Trail	SoC Bay Trail	SoC Bay Trail	SoC Bay Trail
Memory	8GB DDR3L max.	8(4)GB DDR3L max.	1GB Memory (onboard)	4GB DDR3L max. (onboard)
Graphic	48-bit LVDS, VGA, eDP*, HDMI/DP*	48-bit LVDS, DP, CRT	48-bit LVDS, HDMI, VGA	48-bit LVDS (2xOptional), VGA, HDMI (optional)
Storage	1x mSATA 2x SATA, 1x MicroSD(shared)	1x mSATA (shared) 2x SATA, 1x MicroSD (no)	CFast Socket, 1x SATA,	1x mSATA 1x SATA
Ethernet	2x 10/100/1000Mbit	2(1) x 10/100/1000Mbit	3x 10/100/1000Mbit	2x 10/100/1000Mbit
I/O	1x USB 3.0, 4x USB 2.0, 2x RS232/422/485, 2x RS232	1x USB 3.0, 3x USB 2.0, 1x RS232/422/485 1x RS232	USB 3.0, 5x USB 2.0, 1x RS422/485 2x RS232	2x USB 3.0, 5x USB 2.0, 1x RS232/422/485, 3x RS232
Audio	HD Audio	HD Audio	HD Audio	HD Audio
GPIO	8-bit	x	x	8-bit
Expansion	miniPCle	2(3) x miniPCle	miniPCle	miniPCle
Power	12 VDC	9-30 VDC	19-36 VDC	12 VDC

# 2,5" Pico-ITX™ Single Board Computer



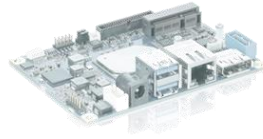


# 2,5" Pico-ITX™ Single Board Computer

Intel® Atom™ CPU (Apollo Lake)

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Product	<a href="#">MIO-2360</a>	<a href="#">pITX-APL</a>	<b>conga-PA5</b>	
Vendor	ADVANTECH	Kontron	congatec	
Processor	Intel® Atom™, Celeron® E3940/E3930/N3350	Intel® Atom™, Celeron® E39XX/N3350	Intel® Atom™, Celeron®, Pentium® E3950/E3940/E3930/N3350/N4200	
Chipset	SoC Apollo Lake	SoC Apollo Lake	SoC Apollo Lake	
Memory	8GB DDR3L max.	8GB DDR3L max.	8GB DDR3L max. (onboard)	
Graphic	24-bit LVDS, VGA, HDMI	LVDS, DP	48-bit LVDS, DP++, eDP	
Storage	1x mSATA 1x SATA	SATA	1x mSATA (shared) 1x SATA, microSD	
Ethernet	1x 10/100/1000Mbit	1x 10/100/1000Mbit	2x 10/100/1000Mbit	
I/O	2x USB 3.0, 2x USB 2.0, 2x RS232/422/485,	2x USB 3.0, 2x USB 2.0, 1x RS232	2x USB 3.0, 2x USB 2.0, USB 3.0 Type C 2x RS232/422/485	
Audio	HD Audio	HD Audio	HD Audio	
GPIO	8-bit	x	3x Feature Connector	
Expansion	1x miniPCle	1x miniPCle	1x miniPCle	
Power	12 VDC	5 VDC	12VDC	

\*\*PIN-Header Version

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# 2,5" Pico-ITX™ Single Board Computer

Intel® Atom™ CPU (Bay Trail)

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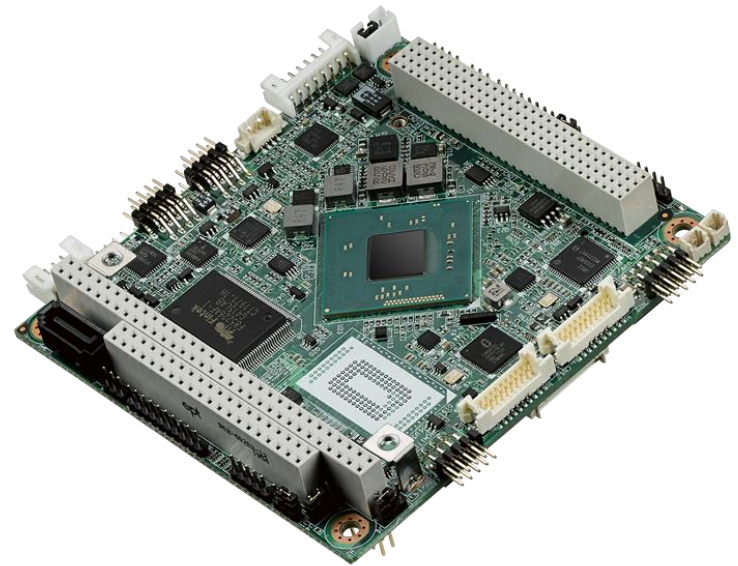


Product	<a href="#">MIO-2263 (MIO-3260**)</a>	<a href="#">pITX-E38</a>	<a href="#">conga-PA3</a>	
Vendor	ADVANTECH	Kontron	congatec	
Processor	Intel® Atom™, Celeron® E3825/J1900 (E3825/N2930)	Intel® Atom™ E3845/E3826/E3815	Intel® Atom™ E3845/E3826	
Chipset	SoC Bay Trail	SoC Bay Trail	SoC Bay Trail	
Memory	8GB DDR3L max.	8GB DDR3L max.	4GB DDR3L max. (onboard)	
Graphic	24-bit LVDS, VGA, HDMI (HDMI*)	48-bit LVDS, DP	48-bit LVDS, DP++	
Storage	1x mSATA (shared) 1x SATA	1x mSATA (shared) 1x SATA, microSD	1x mSATA (shared) 1x SATA, microSD	
Ethernet	1x 10/100/1000Mbit	1x 10/100/1000Mbit	1x 10/100/1000Mbit	
I/O	1(0)x USB 3.0, 3(4)x USB 2.0, 1(2)x RS232/422/485 1(0)x RS232	1x USB 3.0, 3x USB 2.0, 2x COM	2x USB 3.0, 2x USB 2.0, 1x RS232	
Audio	HD Audio	Audio	Audio	
GPIO	8-bit	Kontron GPIO	Feature Connector	
Expansion	1x miniPCIe	1x miniPCIe	1x miniPCIe	
Power	12 VDC	5 VDC	12VDC	

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# PC/104 CPU Modules



# PC/104 CPU Module

Intel® Atom™, AMD® & Vortex™ CPUs



Product	<a href="#">PCM-3365</a>	<a href="#">PCM-3356</a>	<a href="#">Helix</a>	<a href="#">Aries</a>
Vendor	ADVANTECH	ADVANTECH	Diamond Systems	Diamond Systems
Processor	Intel® Atom™, Celeron® E3825/E3845/N2930	AMD® G-Series™ T16R/T40E	DM&P® Vortex86DX3®	Intel® Atom™ E3826/E3845
Chipset	SoC Apollo Lake	A55E	SoC	SoC Bay Trail
Memory	8GB DDR3L max.	4GB DDR3L max. (optional 1GB onboard)	2GB DDR3 max.	2GG/4GB onboard
Graphic	48-bit LVDS, VGA, HDMI/DVI	18-bit LVDS VGA	24-bit LVDS, VGA	LVDS, VGA
Storage	1x SATA, 1x mSATA (shared with optional onboard Flash)	1x mSATA 1x SATA	1x SATA	1x SATA 1x mSATA (shared)
Ethernet	1x 10/100/1000Mbit	2 x 10/100/1000Mbit	1x 10/100/1000Mbit	2x 10/100/1000Mbit
I/O	6x USB 2.0, 1x RS232/422/485, 2x RS232	4x USB 2.0, 3x RS232/422/485	6x USB 2.0, 2x RS232/422/485, 2x RS232, Data Acquisition	1x USB 3.0, 3x USB 2.0, 4x RS232/422/485, Data Acquisition
Audio	Optional Audio Module	HD Audio	HD Audio	HD Audio
GPIO	8-bit	8-bit	x	X
Expansion	miniPCle (shared)	1 x miniPCle	1x miniPCle	1x miniPCle
Power	5 VDC	5 VDC	5 VDC	5 VDC

# Mini-ITX Motherboards



# Industrial Mini-ITX Motherboards

Intel® Atom™ CPU (Apollo Lake)

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Product	<a href="#">AIMB-217</a>	<a href="#">MI811</a>	<a href="#">miTX-APL</a>	
Vendor	ADVANTECH	iBASE	Kontron	
Processor	Intel® Atom™, Celeron®, Pentium® N4200/N3350/x7-E3950	Intel® Celeron®, Pentium® N4200/N3350	Intel® Atom™, Celeron® E39xx/N3350	
Chipset	SoC Apollo Lake	SoC Apollo Lake	SoC Apollo Lake	
Memory	8GB DDR3L max.	8GB DDR3L max.	8GB DDR3L max.	
Graphic	VGA/eDP**, HDMI, DP++/48-bit LVDS**	eDP or 48-bit LVDS, HDMI, HDMI or DVI-D	48-bit LVDS, 2x DP	
Storage	2x SATA, 1x mSATA (shared)	2x SATA, 1x mSATA	2x SATA, eMMC	
Ethernet	2x 10/100/1000Mbit	2 x 10/100/1000Mbit	2x 10/100/1000Mbit	
I/O	4x USB 3.0, 4x USB 2.0, 1x RS232/422/485, 5x RS232	4x USB 3.0, 4x USB 2.0, 1x RS232/422/485, 3x RS232	4x USB 3.0, 2x USB 2.0, 1x RS422/485, 1x RS232, CAN Bus	
Audio	HD Audio	HD Audio	HD Audio	
GPIO	8-bit	8-bit	x	
Expansion	miniPCIe (shared) M.2 Key E	1 x miniPCIe	1x miniPCIe	
Power	12 VDC	12-24 VDC	12-24 VDC	

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\*All information is without guarantee of correctness and completeness.



# Industrial Mini-ITX Motherboards

Intel® Atom™ CPU (Bay Trail)

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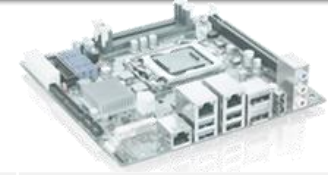
Product	<a href="#">AIMB-215</a>	<a href="#">MI805</a>	<a href="#">mITX-E38</a>	
Vendor	ADVANTECH	iBASE	Kontron	
Processor	Intel® Celeron® J1900/N2930/N2807	Intel® Celeron® J1900	Intel® Atom™ E3815/E3826/E3845	
Chipset	SoC Bay Trail	SoC Bay Trail	SoC Bay Trail	
Memory	8GB DDR3L max.	8GB DDR3L max.	8GB DDR3 max.	
Graphic	48-bit LVDS, VGA, DP or eDP	48-bit LVDS, VGA, DVI-D	48-bit LVDS, 2x DP	
Storage	2x SATA, 1x mSATA (shared)	1x mSATA, 2x SATA	2x SATA, eMMC, 1x SD Card Slot	
Ethernet	2x 10/100/1000Mbit	2x 10/100/1000Mbit	1x 10/100/1000Mbit	
I/O	1x USB 3.0, 7x USB 2.0, 1x RS232/422/485, 5x RS232	1x USB 3.0, 4x USB 2.0, 1x RS232/422/485, 5x RS232	1x USB 3.0, 8x USB 2.0, 6x COM	
Audio	HD Audio	HD Audio	HD Audio	
GPIO	8-bit	8-bit	x	
Expansion	2x miniPCle (1x shared)	1 x miniPCle	1x miniPCle	
Power	12 VDC	12-24 VDC	12 VDC	

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# Industrial Mini-ITX Motherboards

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

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Product	<a href="#">AIMB-275</a>	<a href="#">AIMB-285</a>	<a href="#">MI991</a>	<a href="#">mITX-SKL-S H110 / C236</a>
Vendor	ADVANTECH	ADVANTECH	iBASE	Kontron
Processor	Intel® Core™ i7 / i5 / i3 (7th & 6th Gen.) LGA1151	Intel® Core™ i7 / i5 / i3 (7th & 6th Gen.) LGA1151	Intel® Core™ i7 / i5 / i3 (7th & 6th Gen.) LGA1151	Intel® Core™ i7 / i5 / i3 (6th Gen.) LGA1151
Chipset	Intel® Q170 / H110	Intel® Q170 / H110	Intel® C236 / Q170 / H110	Intel® H110 / C236
Memory	32GB DDR4 max.	32GB DDR4 max.	32GB DDR4 max.	32GB DDR4 max.
Graphic	48-bit LVDS, HDMI, VGA, eDP, DP	48-bit LVDS, HDMI, VGA, DP	DVI-D, HDMI, DP	48-bit LVDS/VGA, HDMI, DP (48-bit LVDS, 2(3)x DP)
Storage	3x SATA	1x mSATA (shared) 3x SATA	1x mSATA (shared) 3(4)x SATA	1x mSATA (shared), (M.2) 3(4)x SATA
Ethernet	2x 10/100/1000Mbit	2x 10/100/1000Mbit	2x 10/100/1000Mbit	2(3)x 10/100/1000Mbit
I/O	6x USB 3.0, 2x USB 2.0, 1x RS232/422/485 1x RS232	4x USB 3.0, 4x USB 2.0, 2x RS232	4(6)x USB 3.0, 2(0)x USB 2.0, 1x RS232/422/485 3x RS232	4(2)x USB 3.0, 2x USB 2.0, 1x RS(232)/422/485, 1(3)x RS232
Audio	HD Audio	HD Audio	HD Audio	HD Audio
GPIO	8-bit	x	x	x
Expansion	miniPCle, M.2 Key B	2x miniPCle	2x miniPCle	miniPCle
Power	12-24 VDC	12 VDC	ATX	ATX

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# Industrial Mini-ITX Motherboards

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

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Product	<a href="#">miTX-KBL-H (miTX-SKL-H)</a>	<a href="#">AIMB-205</a>	<a href="#">AIMB-232</a>	<a href="#">MI990</a>
Vendor	Kontron	ADVANTECH	ADVANTECH	iBASE
Processor	Intel® Core™ i7 / i5 / i3 (7th & 6th Gen.)	Intel® Core™ i7 / i5 / i3 (7th & 6th Gen.) LGA1151	Intel® Core™ i7 / i5 / i3 (7th & 6th Gen.) i7-6600U / i6-6300 / i3-6100U / 3955U / 3965U	Intel® Core™ i, Xeon (6th Gen.) E3-1505M / i7-6820EQ / i5- 6440EQ / i3-6100E
Chipset	SoC	Intel® H110	SoC Kaby Lake & Skylake	Intel® CM236 / HM170
Memory	32GB DDR4 max.	32GB DDR4 max.	16GB DDR4 max.	32GB DDR4 max.
Graphic	48-bit LVDS, 2x DP	48-bit LVDS/eDP, VGA, DVI-D, DP	48-bit LVDS, HDMI, DP, eDP	48-bit LVDS, DVI-D, HDMI, DP
Storage	4x SATA	2x SATA	2x SATA	1x mSATA (shared) 4(2)x SATA
Ethernet	4(6)x 10/100/1000Mbit	2x 10/100/1000Mbit	2x 10/100/1000Mbit	2x 10/100/1000Mbit
I/O	4x USB 3.0, 4x USB 2.0, 1x RS422/485 1x RS232	4x USB 3.0, 6x USB 2.0, 1x RS232/422/485 7x RS232	6x USB 3.0, 2x USB 2.0	6x USB 3.0, 2x USB 2.0, 1x RS232/422/485, 5x RS232
Audio	HD Audio	HD Audio	HD Audio	HD Audio
GPIO	x	8-bit	X	x
Expansion	miniPCIe, M.2 Key M	miniPCIe, M.2 Key B	2x miniPCIe	2x miniPCIe
Power	12/24VDC	ATX	12 VDC	ATX

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Our company network supports you worldwide with offices in Germany, Austria, Switzerland, Great Britain and the USA. For more information please contact:

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