



Fanless Embedded Box PC

About Autech Technology

Founded in 2004, Autech Technology Co., Ltd is a professional distributor in industrial computers and power supplies. We provide a comprehensive range of reliable IOT solutions for critical industrial applications. Customer's satisfaction is our first priority. We are committed to bring excellence and meet our client's various requirements. Through the strong partnership, together we can achieve the best outcome for both side.

19+ Years

Experiences as agents
for Industrial PC and
Power Supply

10+ Brands

Authorized distributor

4 Continents

Products Exported to
Asia, Europe, U.S. ,
Oceania

1700+ Clients

Covering 15+ industries

Rugged Fanless Box PC

With the latest embedded technology, Autech Technology industrial embedded fanless computers passed rigorous quality tests, featuring robustness, reliability, high performance and the ability to work stably and durably in harsh environments. Not only do we offer long life cycle support, we can also cover all your embedded needs with our extensive experience in system integration.



Industrial Grade Quality

Industrial-grade motherboards are adopted to ensure our products work in harsh environment with the highest quality and reliability.



Highly Customizable, Low Minimum Order Quantity

To meet all your needs, we offer flexible customized production and professional system assembly with low-volume and high-variety.



Certified Products with Competitive price

All products are strictly tested and certified (ex. environmental tests, temperature test and EMC tests) with competitive quality and price.



Fast Delivery

We understand on-time delivery is critical for your business. In-stock products will be shipped in 5 days.



Featured Products

Compact Fanless Embedded Computers



Powered by Intel Atom® processors, this series of fanless computers feature ultra-compact size, low power consumption and fast heat dissipation, as well as supports to wide voltage input and wide temperature. These products are ideal for space-constrained, entry-level applications such as gate control, digital signage, self-service system, kiosks, and points of sales.

High Performance Industrial Fanless Computers



Incorporated Intel Core™ i7/i5/i3 processors, this is a series of high-performance box PCs with fanless design and small footprint, featuring excellent computing performance and rich I/O interfaces, designed for space-critical and computing-concentrated applications, such as smart factory, machine vision, digital healthcare and surveillance.

Product Selecion Guide

Intel® Atom Series

PART NO.	AUB-J412-G0	AUB-J190-G0	AUB-N420-G0	AUB-E395-A0	AUB-J641-G0
					
CPU	Intel® Celeron J4125 Quad Core Soc	Intel® Celeron J1900 Quad Core Soc	Intel® Pentium n4200 Quad Core Soc	Intel® Atom x7-E3950 Quad Core Soc	Intel® Celeron J6412 Quad Core Soc
Memory	1 x DDR4 SO-DIMM, up to 8GB (Non-ECC)	1 x DDR3L SO-DIMM, up to 8GB (Non-ECC)	1 x DDR3L SO-DIMM, up to 8GB (Non-ECC)	1 x DDR3L SO-DIMM, up to 8GB (Non-ECC)	2 x DDR4 SO-DIMM, up to 32GB (Non-ECC)
Display	2 x HDMI	1 x VGA, 1 x HDMI	1 x VGA, 1 x HDMI	1 x HDMI, 1 x DP	2 x HDMI
Ethernet	2 x Gbe	2 x Gbe	2 x Gbe	2 x Gbe	2 x Gbe
USB	4 x USB3.0, 2 x USB2.0	1 x USB3.0, 3 x USB2.0	2 x USB3.0, 2 x USB2.0	4 x USB3.0, 2 x USB2.0	4 x USB3.2, 2 x USB2.0
Serial Port	1 x RS232	2 x RS232/422/485 2 x RS232	1 x RS232/422/485 2 x RS232	2 x RS232/422/485 2 x RS232	2 x RS232/422/485 2 x RS232
Storage	2.5" SSD M.2 2280	2.5" SSD M.2 2280	2.5" SSD M.2 2242	2.5" SSD M.2 2242	2.5" SSD M.2 2280
Expansion Slot	1 x M.2 E-Key 2230	1 x Full MiniPCle	1 x Full MiniPCle	1 x Full MiniPCle 1 x M.2 E-Key 2230	1 x Full MiniPCle
Power Input	12 - 19 V	9 - 36 V	9 - 36 V	12 - 24 V	9 - 36 V
Dimension	183.6 x 117.8 x 43.7 mm	183.6 x 117.8 x 58.7 mm	183.6 x 117.8 x 58.7 mm	183.6 x 117.8 x 58.7 mm	183.6 x 117.8 x 58.7 mm
Operating Temperature	-20 ~ 60°C, with 0.2~0.6m/s air flow	-20 ~ 60°C, with 0.2~0.6m/s air flow	-20 ~ 60°C, with 0.2~0.6m/s air flow	-20 ~ 60°C, with 0.2~0.6m/s air flow	-20 ~ 60°C, with 0.2~0.6m/s air flow
Vibration	2 Grms @ 5~500Hz random	2 Grms @ 5~500Hz random	2 Grms @ 5~500Hz random	2 Grms @ 5~500Hz random	2 Grms @ 5~500Hz random
Operating System	Windows 10 Linux Ubuntu 18.04	Windows 7/10 Linux Ubuntu 16.04	Windows 10 Linux Ubuntu 18.04	Windows 10 Linux Ubuntu 18.04	Windows 10 Linux Ubuntu 20.04
EMC	EC/FCC	EC/FCC	EC/FCC	EC/FCC	EC/FCC
Riser Card	-	-	-	-	-

Intel® Core i Series (Mobile/Desktop Processors)

PART NO.	AUB-800-i3-A0	AUB-800-i5-A0	AUB-800-i7-A0	AUE-1000-G0	AUE-1003-G0
					
CPU	Intel® Core i3-8145UE Dual Core Soc	Intel® Core i5-8365UE Dual Core Soc	Intel® Core i7-8665UE Dual Core Soc	Intel 10th Core i9/i7/i5/i3 (Support up to 65W)	Intel 10th Core i9/i7/i5/i3 (Support up to 65W)
Memory	1 x DDR4 SO-DIMM, up to 32GB (Non-ECC)	1 x DDR4 SO-DIMM, up to 32GB (Non-ECC)	1 x DDR4 SO-DIMM, up to 32GB (Non-ECC)	2x DDR4 SODIMM, upto 64GB (Non-ECC)	2x DDR4 SODIMM, upto 64GB (Non-ECC)
Display	1 x HDMI, 1 x DP	1 x HDMI, 1 x DP	1 x HDMI, 1 x DP	1x VGA, 1x DVI-D, 1x DP	1x VGA, 1x DVI-D, 1x DP
Ethernet	2 x Gbe	2 x Gbe	2 x Gbe	4x GbE	4x GbE
USB	4 x USB3.2, 2 x USB2.0	4 x USB3.2, 2 x USB2.0	4 x USB3.2, 2 x USB2.0	4x USB3.2, 6x USB 2.0	4x USB3.2, 6x USB 2.0
Serial Port	2 x RS232/422/485 4 x RS232	2 x RS232/422/485 4 x RS232	2 x RS232/422/485 4 x RS232	2x RS232/422/485 2x RS232	2x RS232/422/485 2x RS232
Storage	2.5" SSD M.2 2242 nSATA (share with MiniPCle)	2.5" SSD M.2 2242 nSATA (share with MiniPCle)	2.5" SSD M.2 2242 nSATA (share with MiniPCle)	4x 2.5" SSD, 1x M.2 2280	4x 2.5" SSD, 1x M.2 2280
Expansion Slot	1 x Full MiniPCle 1 x M.2 E-Key 2230	1 x Full MiniPCle 1 x M.2 E-Key 2230	1 x Full MiniPCle 1 x M.2 E-Key 2230	1 x Full MiniPCle 1 x M.2 E-Key 2230	1 x Full MiniPCle 1 x M.2 E-Key 2230
Power Input	12 - 24 V	12 - 24 V	12 - 24 V	12 - 48 V	24 - 48 V
Dimension	188.8 x 143.0 x 82.0 mm	188.8 x 143.0 x 82.0 mm	188.8 x 143.0 x 82.0 mm	224.0 x 256.1 x 77.7 mm	224.0 x 343.1 x 146.0 mm
Operating Temperature	-20 ~ 60°C, with 0.2~0.6m/s air flow	-20 ~ 60°C, with 0.2~0.6m/s air flow	-20 ~ 60°C, with 0.2~0.6m/s air flow	-20~50°C, CPU TDP 65W -20~60°C, CPU TDP 35W	-20~50°C, CPU TDP 65W -20~60°C, CPU TDP 35W
Vibration	2 Grms @ 5~500Hz random	2 Grms @ 5~500Hz random	2 Grms @ 5~500Hz random	3 Grms @ 5~500Hz random	3 Grms @ 5~500Hz random
Operating System	Windows 10 Linux Ubuntu 20.04	Windows 10 Linux Ubuntu 20.04	Windows 10 Linux Ubuntu 20.04	Windows 10/11 Linux Ubuntu 20.04	Windows 10/11 Linux Ubuntu 20.04
EMC	EC/FCC	EC/FCC	EC/FCC	EC/FCC	EC/FCC
Riser Card	-	-	-	-	PCIe x 16(Gen3 x16/x8) PCIe x 16(Gen3 x0/x8) PCIe x 4(Gen3 x4)

AUB-J412-G0



Intel® Celeron J4125 Quad Core 2.7 GHz Fanless Embedded Industrial PC



Features

- Onboard Intel® Celeron J4125 Quad Core 2.7 GHz CPU
- Dual Independent HDMI Port
- Dual Gigabit Ethernet, supports WoL and PXE
- 1 x RS232
- Operating Temperature -20°C ~ 60°C
- Supports Wireless and Bluetooth
- Compact, optimized performance and low power system for mission-critical applications, such as Digital signage, ATM, Kiosk, self-service and automation control

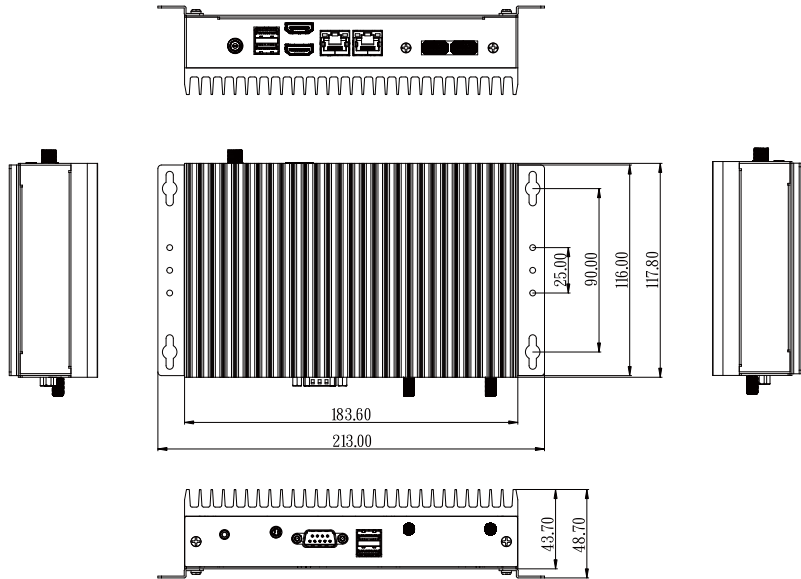
Specifications

System	CPU	Intel® Celeron J4125 Quad Core 2.0 GHz / Burst 2.7 GHz Processor 4M Cache
	Memory	1 x SO-DIMM DDR4 2400MHz, Max. Capacity 8GB (Non-ECC)
	Watchdog	System Reset. Programmable 1 ~ 255 level
Front and Rear I/O	Video Port	2 x HDMI1.4 (Max. resolution 4096 x 2160 @ 30Hz)
	USB	4 x USB 3.0 and 2 x USB 2.0 ports
	Ethernet Port	2 x RJ45 for GbE (Intel I211AT and Realtek RTL8111HS)
	Serial Port	1 x RS-232 (DB9 male type)
	Antenna	2 x SMA-type external antenna (Option)
Expansion Slot	Power-On Button	1 x Power button with LED
	M.2	1 x M.2 E-Key 2230 slot (for WiFi+BT full function)
Storage	SATA	1 x SATA 3.0
	M.2	1 x M.2 M-Key 2280 slot
Power	DC input	12V-19V (connector type DC-Jack)
Mechanical	Dimensions	183.6(W) x 117.8(D) x 43.7(H) mm (without wall-mount bracket)
Certification	EMC	CE / FCC Class A, according to EN 55032 & EN 55035
	Operating Temp	-20 ~ 60°C, with Wide Temp. SSD, ambient w/ air flow 0.2~0.6m/s
Environmental	Storage Temp	-40 ~ 80°C
	Relative Humidity	5 ~ 95% @ 40°C (non-condensing)
	Vibration	With M.2/SSD: Random: 2Grms @ 5~500 Hz, IEC60068-2-64 With M.2/SSD: Sinusoidal: 2Grms @ 5~500 Hz, IEC60068-2-6
	Shock	With M.2/SSD: 50G, half sine, 11ms, IEC60068-2-27
Software	Operating System	Windows 10 64bit only; Linux Ubuntu 18.04

AUB-J412-G0

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Dimensions



Front Panel External I/O



Rear Panel External I/O



Ordering Information

Part Number	Description
AUB-J412-G0	Intel® Celeron J4125 Fanless Embedded Computer

Packing List

Part Number	Description
AUB-J412-G0	1 x AUB-J412 unit
	1 x SATA 6G CABLE
	1 x SATA Power CABLE
	1 x Wall Mount Bracket
	4 x Screw for SSD

Optional Items

Part Number	Description
96PSA-A60W12W7-3	Adapter 60W 12V Lockable DC Plug
WF5K-M2-237ACN	WiFi5 Kit M.2 Type (include 2 x RF cable, 2 x Dipole Antennas)
WF6K-M2-238AX	WiFi6 Kit M.2 Type (include 2 x RF cable, 2 x Dipole Antennas)

AUB-J190-G0



Intel® Celeron J1900 Quad Core 2.42 GHz Fanless Embedded Industrial PC



Features

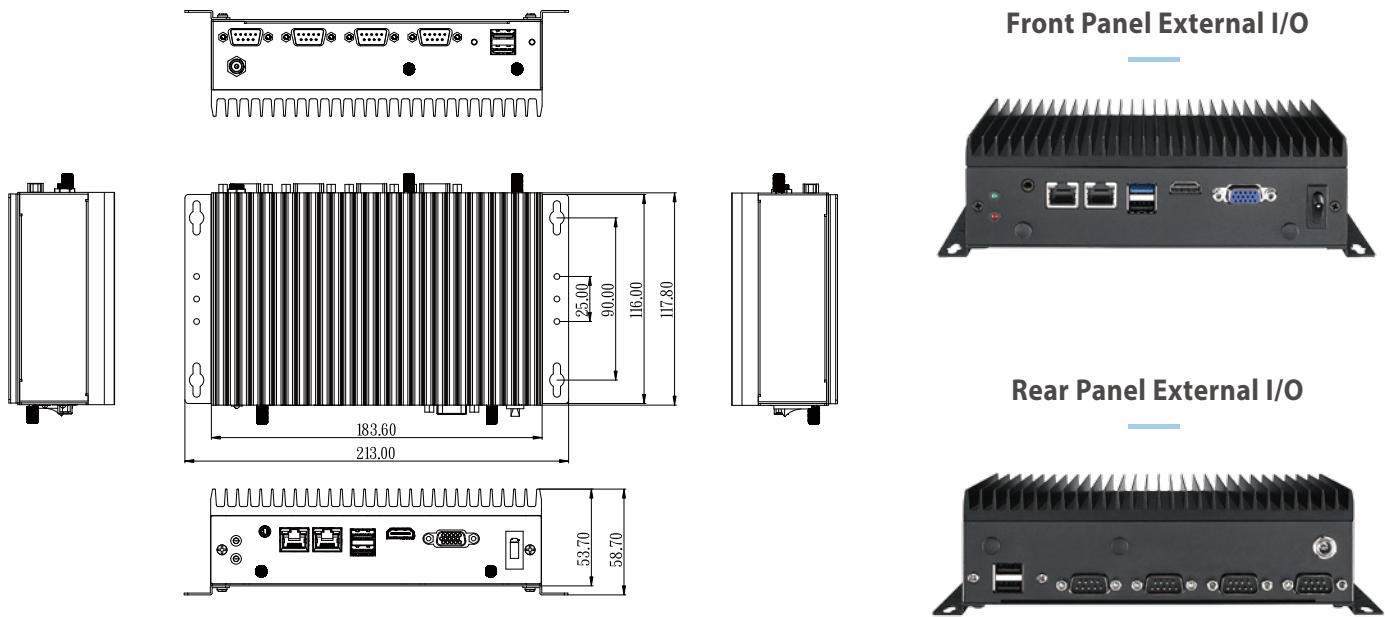
- Onboard Intel® Celeron J1900 Quad Core 2.42 GHz CPU
- Dual Independent HDMI and D-SUB Port
- Dual Gigabit Ethernet, supports WoL and PXE
- 2 x RS-232/422/485, 2 x RS232
- Operating Temperature -20°C ~ 60°C
- Supports LTE/WCDMA/GSM/GPS, Wireless and Blue tooth
- Compact, optimized performance and low power system for mission-critical applications, such as, ATM, Kiosk, self-service and automation control

Specifications

System	CPU	Atom® Celeron J1900 Quad Core 2.0 GHz / Burst 2.42 GHz Processor 2M Cache
	Memory	1 x SO-DIMM DDR3L 1333MHz, Max. Capacity 8GB (Non-ECC)
	Watchdog	System Reset. Programmable 1 ~ 255 level
Front and Rear I/O	Video Port	1 x HDMI1.4a (Max. resolution 1920 x 1080 @ 60Hz) 1 x D-SUB (Max. resolution 2560 x 1600 @ 60Hz)
	USB	1x USB 3.2 and 3 x USB 2.0 ports
	Ethernet Port	2 x RJ45 for GbE (Intel I211AT)
	Serial Port	2 x RS-232/422/485, 2 x RS-232 (DB9 male type)
	GPIO Port	1 x GPIO DB9 female type (Option)
	Antenna	4 x SMA-type external antenna (Option)
	Power-On Button	1 x Power button
	HDD LED	1 x HDD LED
	System Power LED	1 x POWER LED
Expansion Slot	Mini-PCle	1 x full size Mini PCle with Micro-SIM holder (PClex1, USB 2.0)
Storage	SATA	1 x SATA 3.0
	M.2	1 x M.2 M-Key 2280 slot
Power	DC input	9V-36V (connector type DC-Jack)
Mechanical	Dimensions	183.6(W) x 117.8(D) x 58.7(H) mm(without wall-mount bracket)
Certification	EMC	CE / FCC Class A, according to EN 55032 & EN 55035
Environmental	Operating Temp	-20 ~ 60°C, with Wide Temp. SSD, ambient w/ air flow 0.2~0.6m/s
	Storage Temp	-40 ~ 80°C
	Relative Humidity	5 ~ 95% @ 40°C (non-condensing)
	Vibration	With M.2/SSD: Random: 2Grms @ 5~500 Hz, IEC60068-2-64 With M.2/SSD: Sinusoidal: 2Grms @ 5~500 Hz, IEC60068-2-6
	Shock	With M.2/SSD: 50G, half sine, 11ms, IEC60068-2-27
Software	Operating System	Windows 7 32/64bit; Windows 10 64bit only; Linux Ubuntu 16.04

AUB-J190-G0

Dimensions



Ordering Information

Part Number	Description
AUB-J190-G0	Intel® Celeron J1900 Fanless Embedded Computer

Packing List

Part Number	Description
AUB-J190-G0	1 x AUB-J190 unit
	1 x SATA 6G CABLE
	1 x SATA Power CABLE
	1 x Wall Mount Bracket
	4 x Screw for SSD

Optional Items

Part Number	Description
96PSA-A60W12W7-3	Adapter 60W 12V Lockable DC Plug
WF5K-PCle-251ACN	WiFi5 Kit MiniPCle Type(include 2 x RF cable, 2 x Dipole Antennas)
WF6K-PCle-268AXI	WiFi6 Kit MiniPCle Type(include 2 x RF cable, 2 x Dipole Antennas)
LTEK-PCle-EC25	LTE Kit (Includes 2 x RF Cable, 2 x Dipole Antennas)

AUB-N420-G0



■ Intel® Pentium N4200 Quad Core 2.5 GHz Fanless Embedded Industrial PC



Features

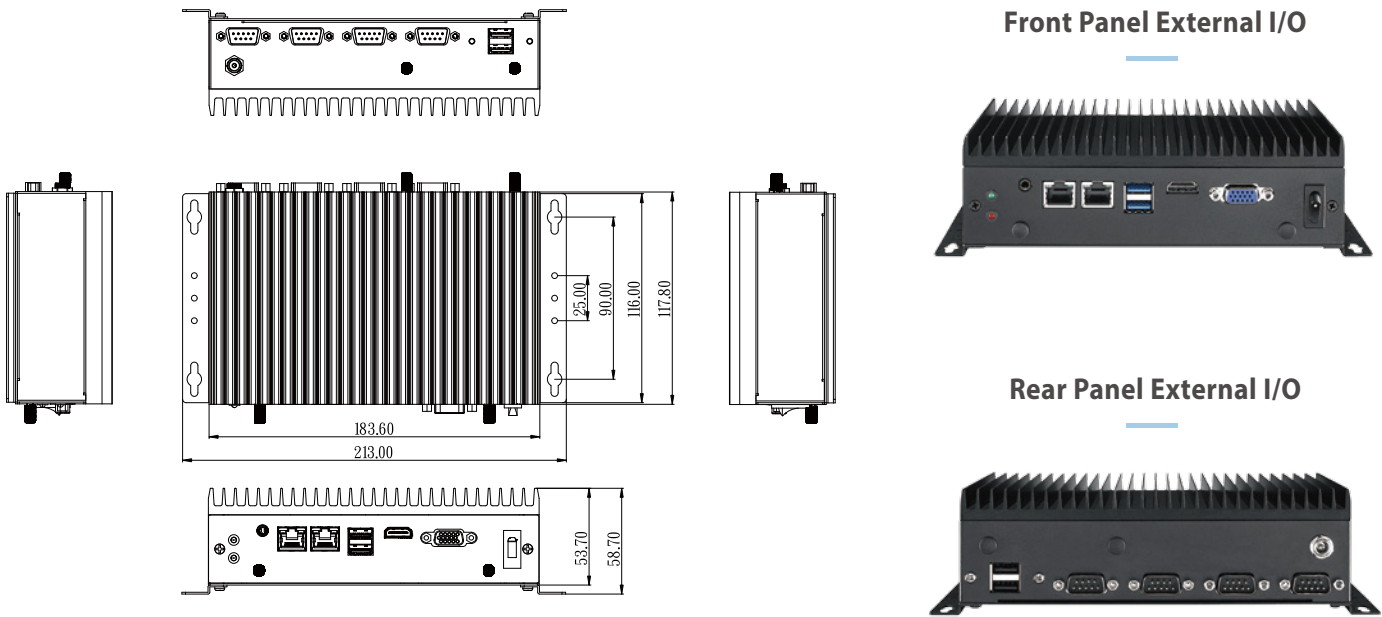
- Onboard Intel® Pentium N4200 Quad Core 2.5 GHz CPU
- Dual Independent HDMI and D-SUB Port
- Dual Gigabit Ethernet, supports WoL and PXE
- 1 x RS-232/422/485, 3 x RS232
- Operating Temperature -20°C ~ 60°C
- Supports 5G/LTE/WCDMA/GSM/GPS, Wireless and Bluetooth
- Compact, optimized performance and low power system for mission-critical applications, such as ATM, Kiosk, self-service and automation control

Specifications

System	CPU	Intel® Pentium N4200 Quad Core 1.1 GHz / Burst 2.5 GHz Processor 2M Cache
	Memory	2 x SO-DIMM DDR3L 1866MHz, Max. Capacity 8GB (Non-ECC)
	Watchdog	System Reset. Programmable 1 ~ 255 level
Front and Rear I/O	Video Port	1 x HDMI1.4b (Max. resolution 3840 x 2160 @ 30Hz) 1 x D-SUB (Max. resolution 2560 x 1600 @ 60Hz)
	USB	2 x USB 3.0 and 2 x USB 2.0 ports
	Ethernet Port	2 x RJ45 for GbE (Intel I211AT)
	Serial Port	1 x RS-232/422/485, 3 x RS-232 (DB9 male type)
	GPIO Port	1 x GPIO DB9 female type (Option)
	Antenna	4 x SMA-type external antenna (Option)
	Power-On Button	1 x Power button
	HDD LED	1 x HDD LED
	System Power LED	1 x POWER LED
Expansion Slot	Mini-PCIe	1 x full size Mini PCIe with Micro-SIM holder (PCIex1, USB 2.0)
Storage	SATA	1 x SATA 3.0
	M.2	1 x M.2 M-Key 2242 slot
Power	DC input	9V-36V (connector type DC-Jack)
Mechanical	Dimensions	183.6(W) x 117.8(D) x 58.7(H) mm(without wall-mount bracket)
Certification	EMC	CE / FCC Class A, according to EN 55032 & EN 55035
Environmental	Operating Temp	-20 ~ 60°C, with Wide Temp. SSD, ambient w/ air flow 0.2~0.6m/s
	Storage Temp	-40 ~ 80°C
	Relative Humidity	5 ~ 95% @ 40°C (non-condensing)
	Vibration	With M.2/SSD: Random: 2Grms @ 5~500 Hz, IEC60068-2-64 With M.2/SSD: Sinusoidal: 2Grms @ 5~500 Hz, IEC60068-2-6
	Shock	With M.2/SSD: 50G, half sine, 11ms, IEC60068-2-27
Software	Operating System	Windows 10 64bit only; Linux Ubuntu 18.04

AUB-N420-G0

Dimensions



Ordering Information

Part Number	Description
AUB-N420-G0	Intel® Pentium N4200 Fanless Embedded Computer

Packing List

Part Number	Description
AUB-N420-G0	1 x AUB-N420 unit
	1 x SATA 6G CABLE
	1 x SATA Power CABLE
	1 x Wall Mount Bracket
	4 x Screw for SSD

Optional Items

Part Number	Description
96PSA-A60W12W7-3	Adapter 60W 12V Lockable DC Plug
WF5K-PCIe-251ACN	WiFi5 Kit MiniPCIe Type(include 2 x RF cable, 2 x Dipole Antennas)
WF6K-PCIe-268AXI	WiFi6 Kit MiniPCIe Type(include 2 x RF cable, 2 x Dipole Antennas)
LTEK-PCIe-EC25	LTE Kit (Includes 2 x RF Cable, 2 x Dipole Antennas)

AUB-E394/E395-A0



AUB-E394/E394-A0

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Intel Atom® x5/x7 Processor Fanless Embedded Industrial PC



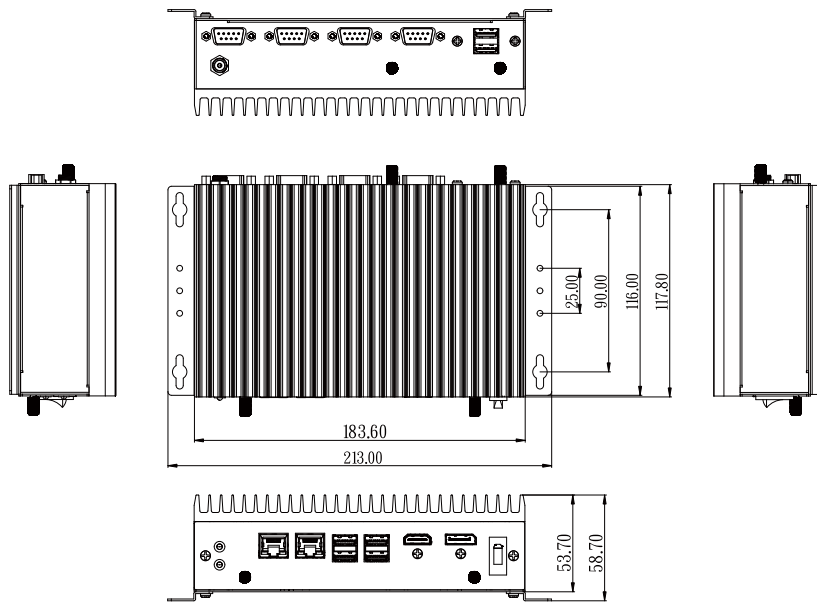
Features

- Onboard Intel Atom® x5-E3940/x7-E3950 CPU
- Dual Independent HDMI and DP Port
- Dual Gigabit Ethernet, supports WoL and PXE
- 2 x RS-232/422/485, 2 x RS232
- Operating Temperature -20°C ~ 60°C
- Supports 5G/LTE/WCDMA/GSM/GPS, Wireless and Bluetooth
- Compact, optimized performance and low power system for mission-critical applications, such as ATM, Kiosk, self-service and automation control

Specifications

System	CPU	Atom® x5-E3940 Quad Core 1.6 GHz / Burst 1.8 GHz Processor 2M Cache Atom® x7-E3950 Quad Core 1.6 GHz / Burst 2.0 GHz Processor 2M Cache
	Memory	1 x SO-DIMM DDR3L 1866MHz, Max. Capacity 8GB (Non-ECC)
	Watchdog	System Reset. Programmable 1 ~ 255 level
Front and Rear I/O	Video Port	1 x HDMI1.4b (Max. resolution 3840 x 2160 @ 30Hz) 1 x DP 1.2a (Max. resolution 4096 x 2160 @ 60Hz)
	USB	4 x USB 3.0 and 2 x USB 2.0 ports
	Ethernet Port	2 x RJ45 for GbE (Intel I210IT)
	Serial Port	2 x RS-232/422/485, 2 x RS-232 (DB9 male type)
	GPIO Port	1 x GPIO DB9 female type (Option)
	Antenna	4 x SMA-type external antenna (Option)
	Power-On Button	1 x Power button
	HDD LED	1 x HDD LED
	System Power LED	1 x POWER LED
Expansion Slot	Mini-PCIe	1 x full size Mini PCIe with Nano-SIM holder (PClex1, USB 2.0)
	M.2	1 x M.2 E-Key 2230 slot (for WiFi+BT full function)
Storage	SATA	1 x SATA 3.0
	M.2	1 x M.2 M-Key 2242 slot
Power	DC input	12V-24V (connector type DC-Jack)
Mechanical	Dimensions	183.6(W) x 117.8(D) x 58.7(H) mm(without wall-mount bracket)
Certification	EMC	CE / FCC Class A, according to EN 55032 & EN 55035
	Operating Temp	-20 ~ 60°C, with Wide Temp. SSD, ambient w/ air flow 0.2~0.6m/s
Environmental	Storage Temp	-40 ~ 80°C
	Relative Humidity	5 ~ 95% @ 40°C (non-condensing)
	Vibration	With M.2/SSD: Random: 2Grms @ 5~500 Hz, IEC60068-2-64 With M.2/SSD: Sinusoidal: 2Grms @ 5~500 Hz, IEC60068-2-6
	Shock	With M.2/SSD: 50G, half sine, 11ms, IEC60068-2-27
Software	Operating System	Windows 10 64bit only; Linux Ubuntu 18.04

Dimensions



Front Panel External I/O



Rear Panel External I/O



Ordering Information

Part Number	Description
AUB-E394-A0	Intel® Atom™ E3940 Fanless Embedded Computer
AUB-E395-A0	Intel® Atom™ E3950 Fanless Embedded Computer

Packing List

Part Number	Description
AUB-E394-A0	1 x AUB-E394/AUB-E395 unit
	1 x SATA 6G with Power CABLE
	1 x Wall Mount Bracket
	4 x Screw for SSD

Optional Items

Part Number	Description
96PSA-A60W12W7-3	Adapter 60W 12V Lockable DC Plug
WF5K-M2-237ACN	WiFi5 Kit M.2 Type (include 2 x RF cable, 2 x Dipole Antennas)
WF6K-M2-238AX	WiFi6 Kit M.2 Type (include 2 x RF cable, 2 x Dipole Antennas)
WF5K-PCIe-251ACN	WiFi5 Kit MiniPCIe Type (include 2 x RF cable, 2 x Dipole Antennas)
WF6K-PCIe-268AXI	WiFi6 Kit MiniPCIe Type (include 2 x RF cable, 2 x Dipole Antennas)
LTEK-PCIe-EC25	LTE Kit(include 2 x RF cable, 2 x Dipole Antennas)

AUB-J641-G0

Intel® Celeron J6412 Quad Core 2.6 GHz Fanless Embedded Industrial PC



Features

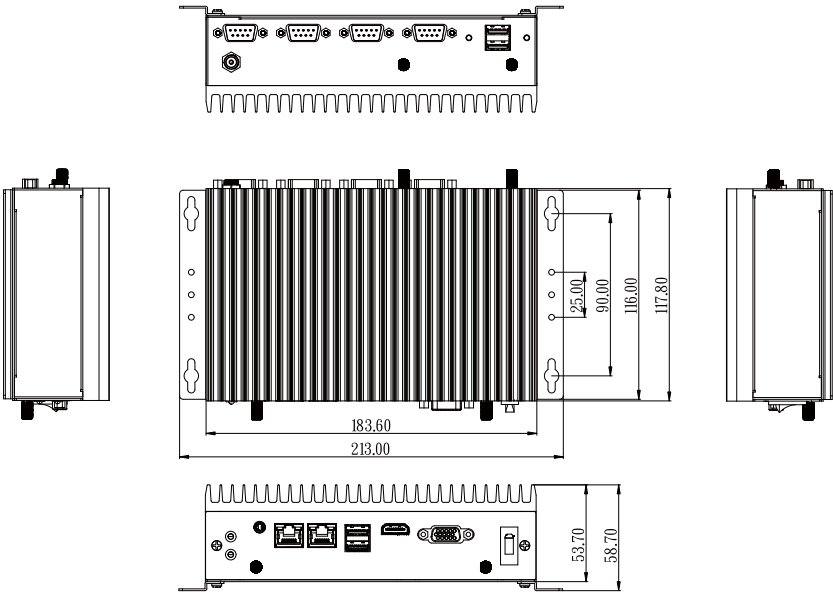
- Onboard Intel® Celeron J6412 Quad Core 2.6 GHz CPU
- Dual Independent HDMI Port
- Dual Gigabit Ethernet, supports WoL and PXE
- 2 x RS-232/422/485, 2 x RS232
- Operating Temperature -20°C ~ 60°C
- Supports 5G/LTE/WCDMA/GSM/GPS, Wireless and Bluetooth
- Compact, optimized performance and low power system for mission-critical applications, such as ATM, Kiosk, self-service and automation control

Specifications

System	CPU	Intel® Celeron J6412 Quad Core 2.0 GHz / Burst 2.6 GHz Processor 1.5M Cache
	Memory	2 x SO-DIMM DDR4 3200MHz, Max. Capacity 32GB (Non-ECC)
	Watchdog	System Reset. Programmable 1 ~ 255 level
Front and Rear I/O	Video Port	2 x HDMI 2.0 (Max. resolution 4096 x 2160 @ 60Hz)
	USB	4 x USB 3.2 Gen1 and 2 x USB 2.0 ports
	Ethernet Port	2x RJ45 for GbE (Intel I211AT)
	Serial Port	2 x RS-232/422/485, 2 x RS-232 (DB9 male type)
	GPIO Port	1 x GPIO DB9 female type (Option)
	Antenna	4 x SMA-type external antenna (Option)
	Power-On Button	1 x Power button
	HDD LED	1 x HDD LED
Expansion Slot	System Power LED	1 x POWER LED
	Mini-PCIe	1 x full size Mini PCIe with Micro-SIM holder (PCIex1, USB 2.0)
Storage	SATA	1 x SATA Gen 3.0
	M.2	1 x M.2 M-Key 2280 slot(SATA Gen 3.0, support NVMe SSD)
Power	DC input	9V-36V (connector type DC-Jack)
Mechanical	Dimensions	183.6(W) x 117.8(D) x 58.7(H) mm(without wall-mount bracket)
Certification	EMC	CE / FCC Class A, according to EN 55032 & EN 55035
Environmental	Operating Temp	-20 ~ 60°C, with Wide Temp. SSD, ambient w/ air flow 0.2~0.6m/s
	Storage Temp	-40 ~ 80°C
	Relative Humidity	5 ~ 95% @ 40°C (non-condensing)
	Vibration	With M.2/SSD: Random: 2Grms @ 5~500 Hz, IEC60068-2-64 With M.2/SSD: Sinusoidal: 2Grms @ 5~500 Hz, IEC60068-2-6
	Shock	With M.2/SSD: 50G, half sine, 11ms, IEC60068-2-27
Software	Operating System	Windows 10 64bit ; Linux Ubuntu 20.04

AUB-J641-G0

Dimensions



Front Panel External I/O



Rear Panel External I/O



Ordering Information

Part Number	Description
AUB-J641-G0	Intel® Celeron J6412 Fanless Embedded Computer

Packing List

Part Number	Description
AUB-J641-G0	1 x AUB-J641 unit
	1 x SATA 6G CABLE
	1 x SATA Power CABLE
	1 x Wall Mount Bracket
	4 x Screw for SSD

Optional Items

Part Number	Description
96PSA-A60W12W7-3	Adapter 60W 12V Lockable DC Plug
WF5K-PCIe-251ACN	WiFi5 Kit MiniPCIe Type (include 2 x RF cable, 2 x Dipole Antennas)
WF6K-PCIe-268AXI	WiFi6 Kit MiniPCIe Type (include 2 x RF cable, 2 x Dipole Antennas)
LTEK-PCIe-EC25	LTE Kit (Includes 2 x RF Cable, 2 x Dipole Antennas)

Intel® Core™ i7/i5/i3 Processor Fanless Embedded Industrial PC



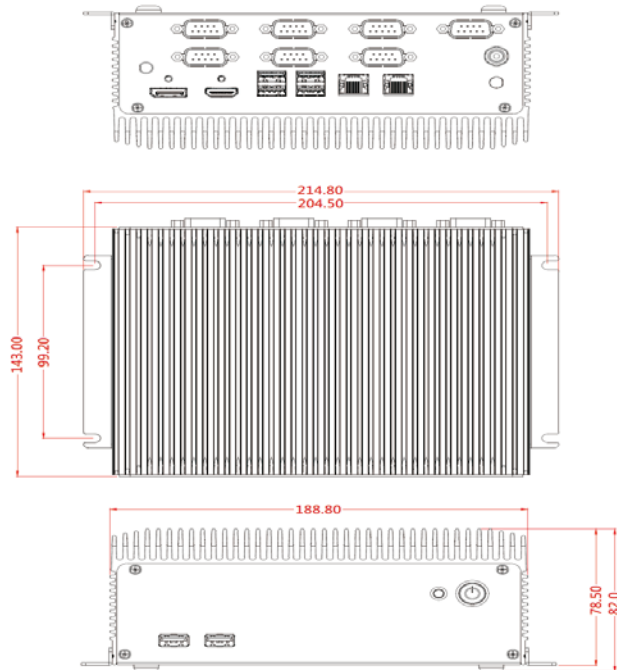
Features

- 8th generation Intel® Core™ i7/i5/i3 processor
- Dual independent HDMI and DP Port
- Dual Gigabit Ethernet, supports WoL and PXE
- 2 x RS-232/422/485, 4 x RS232
- Operating temperature -20°C ~ 60°C
- Supports 5G/LTE/WCDMA/GSM/GPS, Wireless and Bluetooth
- High performance system for Edge AI solution, such as ATM, Kiosk, self-service and automation control

Specifications

System	CPU	Intel® Core™ i3-8145UE Processor Dual Core 2.2 GHz / Burst 3.9 GHz 4M Cache Intel® Core™ i5-8365UE Processor Quad Core 1.6 GHz / Burst 4.1 GHz 6M Cache Intel® Core™ i7-8665UE Processor Quad Core 1.7 GHz / Burst 4.4 GHz 8M Cache
	Memory	1 x SO-DIMM DDR4 2400MHz, Max. Capacity 32GB (Non-ECC)
	Watchdog	System Reset. Programmable 1 ~ 255 level
Front and Rear I/O	Video Port	1 x HDMI1.4 (Max. resolution 4096 x 2304 @ 24Hz) 1 x DP 1.2a (Max. resolution 4096 x 2304 @ 60Hz)
	USB	4 x USB 3.2 Gen2 and 2 x USB 2.0 ports
	Ethernet Port	2 x RJ45 for GbE (Intel I211AT and I219LM)
	Serial Port	2 x RS-232/422/485, 4 x RS-232 (DB9 male type)
	GPIO Port	1 x GPIO DB9 female type
	Antenna	4 x SMA-type external antenna (Option)
	Power-On Button	1 x power button with power LED
	HDD LED	1 x HDD LED
Expansion Slot	Mini-PCIe	1 x full size Mini PCIe with Nano-SIM holder (PCIex1, USB 2.0)
	M.2	1 x M.2 E-Key 2230 slot (for WiFi+BT full function)
Storage	SATA	1 x SATA Gen 3.0
	M.2	1 x M.2 M-Key 2242 slot
	mSATA	1 x full size (shared with Mini PCIe)
Power	DC input	12V-24V (connector type DC-Jack)
Mechanical	Dimensions	188.8(W) x 143.0(D) x 82.0(H) mm(without wall-mount bracket)
Certification	EMC	CE / FCC Class A, according to EN 55032 & EN 55035
Environmental	Operating Temp	-20 ~ 60°C, with Wide Temp. SSD, ambient w/ air flow 0.2~0.6m/s
	Storage Temp	-40 ~ 80°C
	Relative Humidity	5 ~ 95% @ 60°C (non-condensing)
	Vibration	With M.2/SSD: Random: 2Grms @ 5~500 Hz, IEC60068-2-64 With M.2/SSD: Sinusoidal: 2Grms @ 5~500 Hz, IEC60068-2-6
Software	Shock	With M.2/SSD: 50G, half sine, 11ms, IEC60068-2-27
	Operating System	Windows 10 64bit only; Linux Ubuntu 20.04

Dimensions



Front Panel External I/O



Rear Panel External I/O



Ordering Information

Part Number	Description
AUB-800-i3-A0	Intel® Core™ i3-8145UE Fanless Embedded Computer
AUB-800-i5-A0	Intel® Core™ i5-8365UE Fanless Embedded Computer
AUB-800-i7-A0	Intel® Core™ i7-8665UE Fanless Embedded Computer

Packing List

Part Number	Description
AUB-800	1 x AUB-800 unit 1 x Wall Mount Bracket

Optional Items

Part Number	Description
96PSA-A60W12W7-3	Adapter 60W 12V Lockable DC Plug
FSP084-DHAN3	Adapter 84W 12V Lockable DC Plug (only for AUB-800-i7-A0)
WF5K-M2-237ACN	WiFi5 Kit M.2 Type (Include 2 x RF Cable, 2 x Dipole Antennas)
WF6K-M2-238AX	WiFi6 Kit M.2 Type (Include 2 x RF Cable, 2 x Dipole Antennas)
WF5K-PCIe-251ACN	WiFi5 Kit MiniPCIe Type (Include 2 x RF Cable, 2 x Dipole Antennas)
WF6K-PCIe-268AXI	WiFi6 Kit MiniPCIe Type (Include 2 x RF cable, 2 x Dipole Antennas)
LTEK-PCIe-EC25	LTE Kit (Include 2 x RF Cable, 2 x Dipole Antennas)



It is our mission to provide professional services with high quality.

It is our drive to keep you satisfied.