



Fanless Embedded Box PC

工業級無風扇電腦

關於亞郁科技

About Us

亞郁科技成立於 2004 年，為專業工業電腦 (IPC) 與電源供應器代理供應商，提供多樣嵌入式運算、與穩定可靠的電源轉換解決方案。為了精進服務與重視客戶需求與應用，我們持續拓展品牌代理，並提供少量多樣的工業電腦設計、生產、組裝等客製化服務。亞郁科技希望成為客戶最可靠的夥伴，共同創造最佳價值

19+ 年
工業電腦專業
代理經驗

10+ 個
品牌授權代理

4 大洲
銷售遍及亞洲、歐
洲、美國、大洋洲

1700+ 位
服務的客戶，涵蓋
15 種以上產業

工業級無風扇電腦

Fanless Industrial Computers

亞郁科技工業級嵌入式無風扇電腦採用最新嵌入式技術，所有產品皆經過嚴苛的品質檢驗與測試，具備堅固耐用、高可靠度、高效能及能穩定運作於嚴苛的環境中之特性。除了支援長產品生命週期，我們同時擁有專業的整合系統服務經驗，可滿足客戶多樣化的嵌入式應用需求。



工業規格等級品質

我們嚴選工業等級主機板，確保產品具備最高的品質與可靠度，可在嚴格的環境中穩定運作。



少量多樣、客製化服務

為了滿足客戶的需求，我們提供靈活彈性、少量多樣的客製化生產及專業系統組裝服務。



品質、價格具競爭力

所有的產品都經過嚴格測試(如環境、溫度與EMC驗證測試)，在品質、與價格上都非常具競爭力。



快速出貨

我們精選熱門產品，現貨在 5 天內出貨。出貨前均會做功能檢查與燒機測試。



Featured Products

精巧型無風扇嵌入式系統



此系列嵌入式系統搭載多款 Intel Atom 系列處理器，具低功耗體積小散熱快，且支援寬電壓輸入以及寬溫等特色，非常適合空間有限的嚴苛應用領域。

高效能工業級無風扇電腦



此系列搭載高效能 Intel Core™ i7/i5/i3 U 系列處理器，小巧輕量無風扇設計，卻仍擁有出色運算效能與豐富 I/O 介面等優勢，專為智慧工廠、機器視覺、數位醫療保健和監控等空間受限和運算密集的 AIoT 相關領域應用所設計。



此服務僅限台灣地區

工業電腦售後服務

| After Service for Industrial Computers



不滿意30日內退貨

我們希望您會滿意您選購的產品。但是如果您需要退回產品，我們會盡力提供協助。若為符合退貨條件的產品，您可在收到產品的30天內退給我們(客製商品除外)。



兩年保固，隔日寄換整新機

我們提供兩年保固，包括產品維護支援、故障維修、技術諮詢。同時，我們也提供隔日寄換整新機服務，客服接到通知後次個工作日寄換整新機(不含周六日、例假日)。

產品選擇指南

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	-	-	-	-	PCle x 16(Gen3 x16/x8) PCle x 16(Gen3 x0/x8) PCle x 4(Gen3 x4)

AUB-J412-G0



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



Features

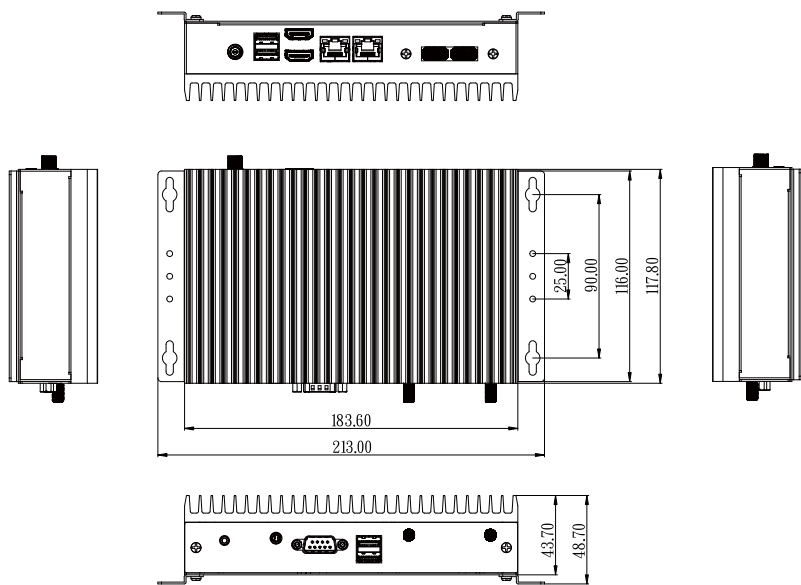
- Onboard Intel® Celeron J4125 Quad Core 2.7 GHz CPU
- Dual Independent HDMI Port
- Dual Gigabit Ethernet, supports WoL and PXE
- 1 x RS232
- Operating Temperature -20°C ~ 60°C
- Supports Wireless and Bluetooth
- Compact, optimized performance and low power system for mission-critical applications, such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

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

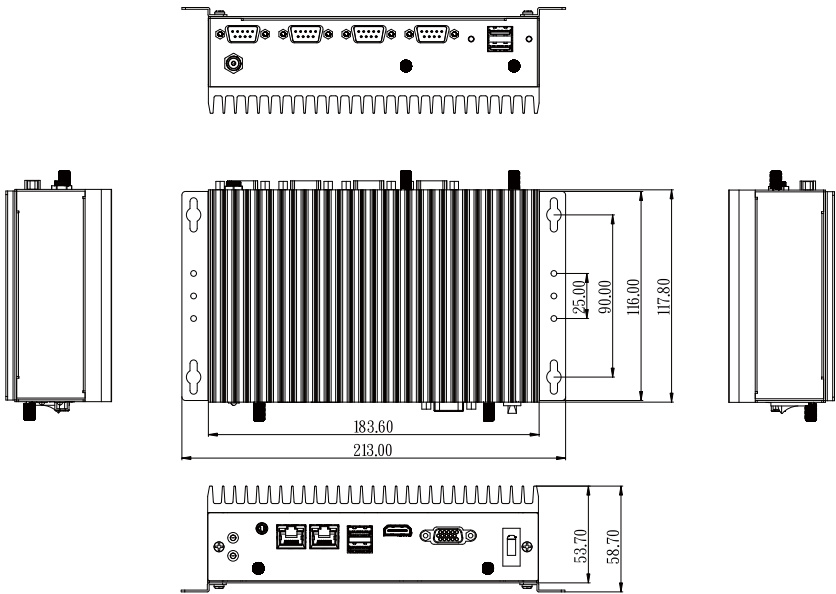
- Onboard Intel® Celeron J1900 Quad Core 2.42 GHz CPU
- Dual Independent HDMI and D-SUB Port
- Dual Gigabit Ethernet, supports WoL and PXE
- 2 x RS-232/422/485, 2 x RS232
- Operating Temperature -20°C ~ 60°C
- Supports LTE/WCDMA/GSM/GPS, Wireless and Blue tooth
- Compact, optimized performance and low 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



Front Panel External I/O



Rear Panel External I/O



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

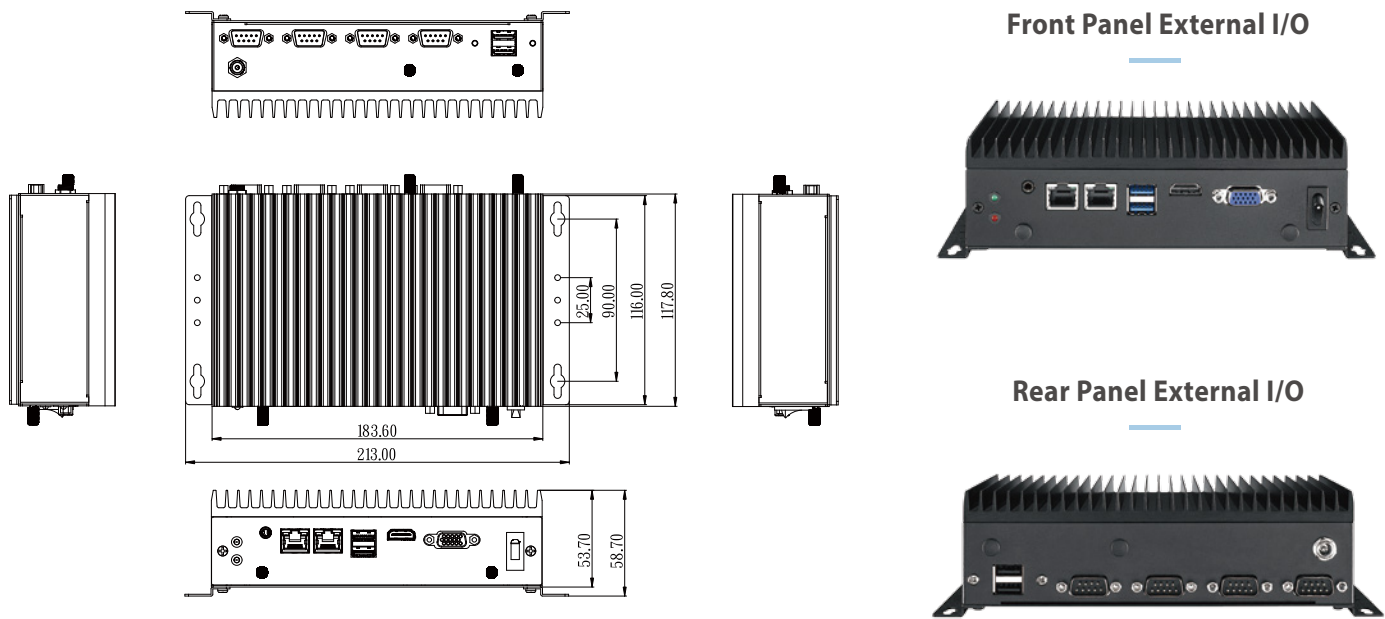
- Onboard Intel® Pentium N4200 Quad Core 2.5 GHz CPU
- Dual Independent HDMI and D-SUB Port
- Dual Gigabit Ethernet, supports WoL and PXE
- 1 x RS-232/422/485, 3 x RS232
- Operating Temperature -20°C ~ 60°C
- Supports 5G/LTE/WCDMA/GSM/GPS, Wireless and Bluetooth
- Compact, optimized performance and low 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

www.autech.com.tw

Intel Atom® x5/x7 Processor Fanless Embedded Industrial PC



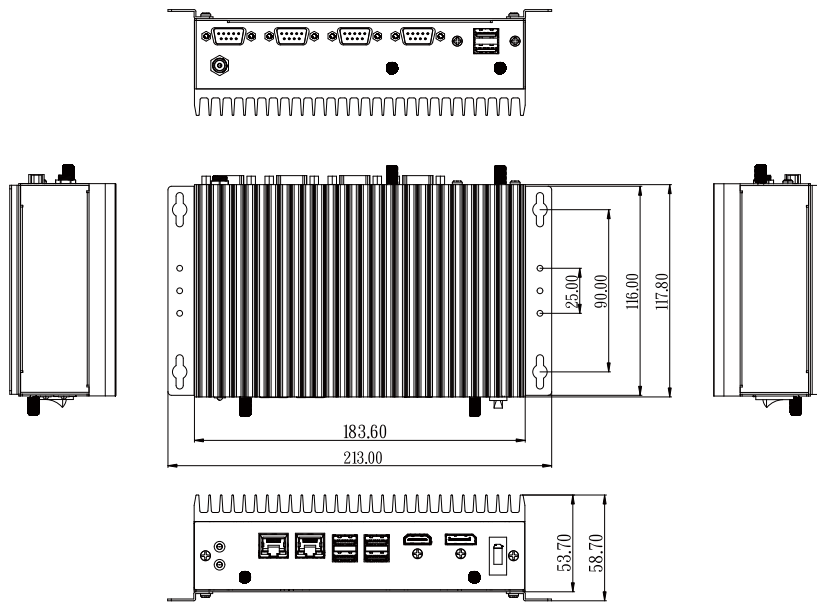
Features

- 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

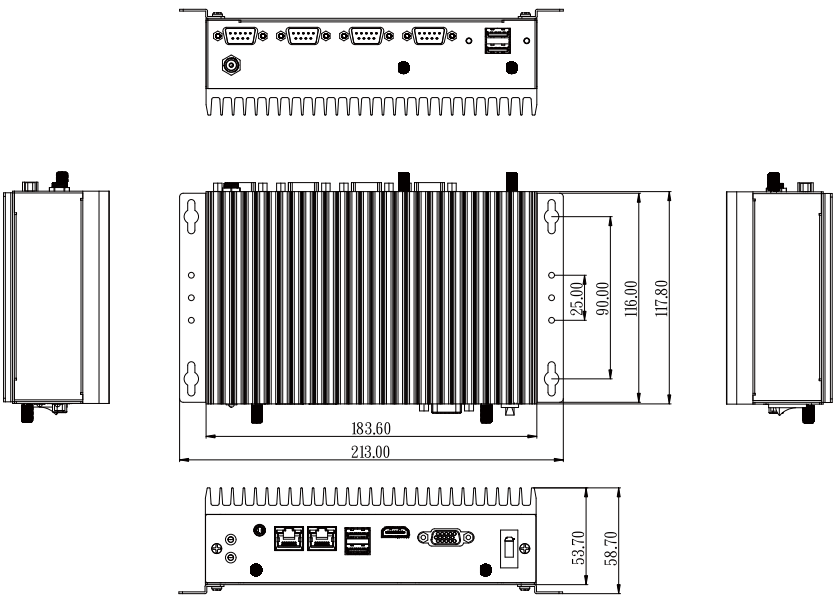
- Onboard Intel® Celeron J6412 Quad Core 2.6 GHz CPU
- Dual Independent HDMI Port
- Dual Gigabit Ethernet, supports WoL and PXE
- 2 x RS-232/422/485, 2 x RS232
- Operating Temperature -20°C ~ 60°C
- Supports 5G/LTE/WCDMA/GSM/GPS, Wireless and Bluetooth
- Compact, optimized performance and low power system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



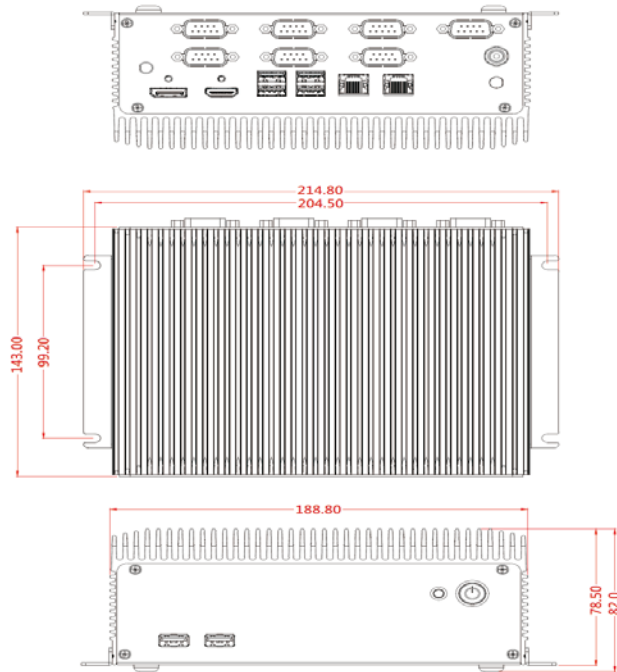
Features

- 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)



提供專業及高品質服務，是我們的使命
您的滿意，是我們持續成長的動力