

AUB-J641-G0

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



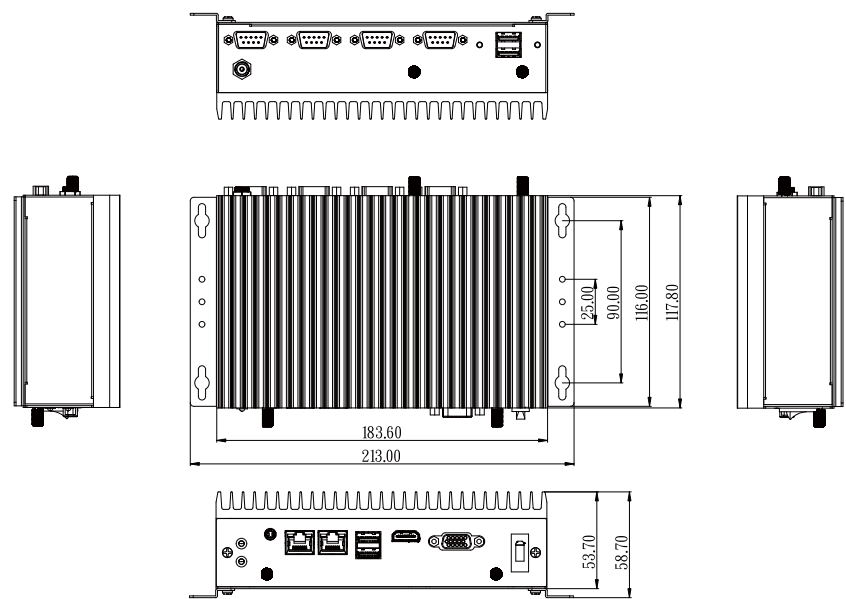
Features

- 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

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
PA-1061-81EN	Adapter 60W 12V DC Plug
WF5K-PCle-251ACN	WiFi5 Kit MiniPCle Type (Inclulde 2 x RF cable, 2 x Dipole Antennas)
WF6K-PCle-268AXI	WiFi6 Kit MiniPCle Type (Inclulde 2 x RF cable, 2 x Dipole Antennas)
LTEK-PCle-EC25	LTE Kit (Include 2 x RF Cable, 2 x Dipole Antennas)