

AUB-800

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



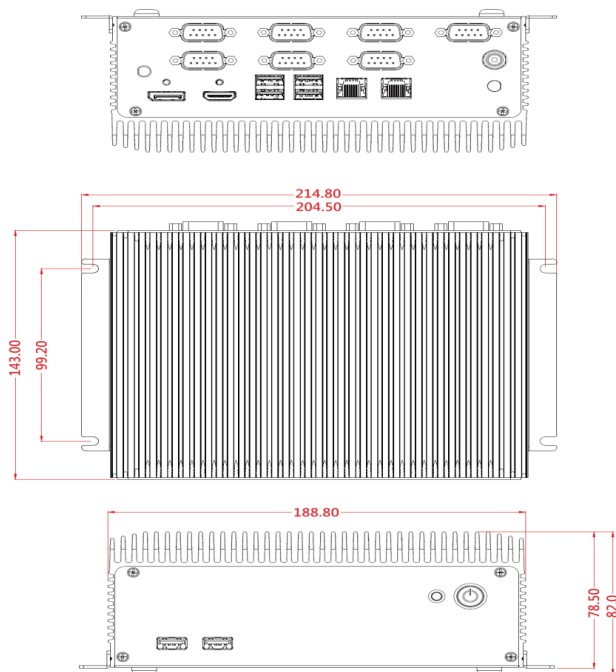
Features

- 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 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
	Shock	With M.2/SSD: 50G, half sine, 11ms, IEC60068-2-27
Software	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™ AUB-800-i3-A0 i3-8145UE Fanless Embedded Computer
AUB-800-i5-A0	Intel® Core™ AUB-800-i5-A0 i5-8365UE Fanless Embedded Computer
AUB-800-i7-A0	Intel® Core™ AUB-800-i7-A0 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)