AE613

RAPTOR LAKE SEMI-INDUSTRIAL COMPUTER

Intel® Raptor Lake-P Core processors

3

1 x DP, 2 x HDMI
Up to 7680 x 4320 @60 Hz

Support Intel® vPro® technology

60 °C
-20 °C

Fanless design
Wide temperature and voltage

CPU

CPU	Intel® Core™ i3-1315U processor Intel® Core™ i5-1335U processor
Chipset	SoC
Processing Units	6 Cores /10 Cores
Threads	8 /12
Base Power	15 W /15 W

Network

Network Controller	1 x Intel i219-LM Gigabit Ethernet 1 x Intel i210-IT Gigabit Ethernet
Ethernet Interface	2 x 1 GbE RJ45
Wi-Fi/BT	1 x E-Key M.2 (2230) for Wi-Fi/BT Support Wi-Fi 5/6/6E (CNVi)
Mobile Network	1 x B-Key M.2 (3042) for 3G/4G, 1 x SIM Slot

System

System Memory	Up to 64 GB, 2 x SO-DIMM DDR4-3200 MHz
Storage	1 x M-Key M.2 (2280) for PCIe4.0 X4 SSD
TPM	Optional: TPM2.0
Watchdog Timer	Yes
Auto Power On	Yes
RTC	Set up independently every day, a week as a cycle
Power Requirement	DC-IN, 12~24 V, 90 W
Dimensions	200 mm x 150 mm x 50 mm (7.87" x 5.90" x 1.97")
Construction	Metal, Grey
Cooling System	Fanless, passive cooling
Operating System	Windows 11 (64bit) /Linux Ubuntu (64bit)
Operating Temperature	-20°C ~60°C (-4°F~140°F) @0.7m/s Air Flow(1)
Humidity	10% ~ 90% @45°C (non-condensing)
Storage Temperature	-40°C ~80°C (-40°F~176°F) not include the package
Certifications	CE, FCC Class B, UKCA

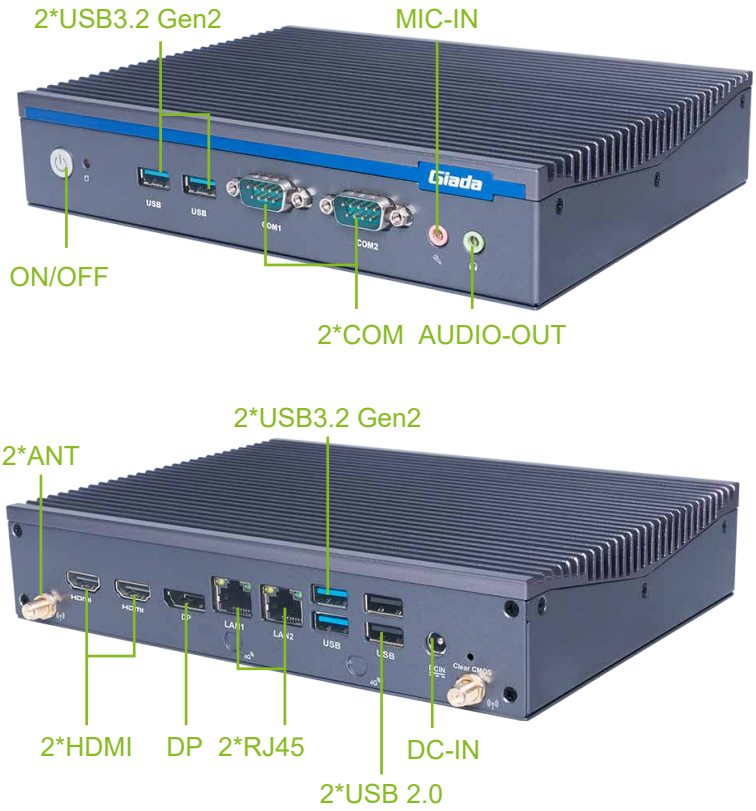
Display

GPU	Intel® UHD Graphics (Core i3) Intel® Iris® Xᵉ Graphics (Core i5)
Graphic Engine	DirectX 12.1, OpenGL 4.6, OpenCL 3.0, 8K 60fps 12b 4:2:0 HEVC/VP9/SCC
Display Interface	1 x DP (Max.7680 x 4320 @60 Hz) 2 x HDMI (Max.4096 x 2304 @60 Hz)
# of Displays Supported	3

I/O interface

USB	4 x USB3.2 Gen2 (10 Gbps), 2 x USB2.0
Serial Port	1 x RS232, 1 x RS232/422/485
Audio	1 x MIC-IN, 1 x AUDIO-OUT
Button	1 x Power on, 1 x CLR-CMOS
Antenna	2 x Connector for Wi-Fi/BT 2 x Connector for 3G/4G (Reserved)

Dimensions and Drawing



Order information

AF613-1315U40N0G-GIA	CPU: Intel Core i3-1315U
AF613-1335U40N0G-GIA	CPU: Intel Core i5-1335U
Packing List	2 x Wi-Fi Antenna, 1 x AC Power Cable,1 x AC Power Adapter
Package	Carton, EPE

(1) If the device operates at ambient temperature above 50 °C for a long time, it is recommended to use wide-temperature memory and storage.

Optional items

Mounting	Wall-mounting Kit (JC553)
Wi-Fi/BT Module	**Wi-Fi 5 (802.11ac):** Intel® Wireless-AC 9560
Mobile Network Module	**LTE Cat4:** Quectel® LTE EM06
Operating System License	Windows 11 (64bit)

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