

AF208-V1

ALDER LAKE-N SEMI-INDUSTRIAL COMPUTER



Intel® Twin Lake/
Alder Lake-N processors



1 x DP, 1 x HDMI
Up to 4096 x 2160 @60 Hz



Support Wi-Fi/BT module



Fanless design
Wide temperature and voltage



CPU

CPU	Intel® Processor N150 Intel® Processor N100
Chipset	SoC
Processing Units	4 Cores /4 Cores
Base Power	6 W /6 W

Network

Network Controller	1 x Intel® Ethernet Controller I226-V 1 x Intel® Ethernet Controller I210-AT
Ethernet Interface	1 x 2.5GbE RJ45, 1 x 1GbE RJ45
Wi-Fi/BT	1 x E-Key M.2 (2230) for Wi-Fi/BT Support Wi-Fi 5/6/6E (CNVi)
Mobile Network	NA

System

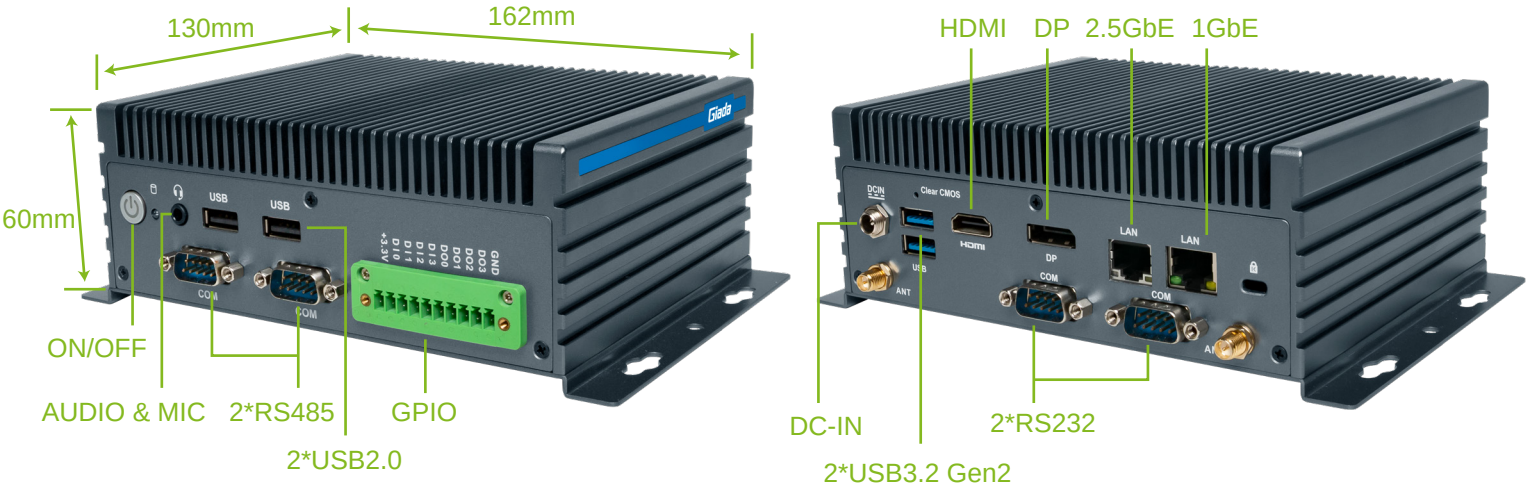
System Memory	Up to 16 GB, 1 x SO-DDR4-3200 MHz
Storage	1 x M-Key M.2 (2280) for PCIe3.0 X4 SSD
TPM	Optional: TPM2.0
Watchdog Timer	Yes
Auto Power On	Yes
RTC	Set up independently every day, a week as a cycle
Power Requirement	Lockable DC-IN, 12~24 V, 45 W
Dimensions	162 mm x 130 mm x 60 mm (6.37" x 5.12" x 2.36")
Construction	Metal, Grey
Cooling System	Fanless, passive cooling
Operating System	Windows 10 (64bit) /Windows 11 (64bit) / Linux Ubuntu (64bit)
Operating Temperature	-20°C ~60°C (-4°F~140°F) @0.7m/s Air Flow
Humidity	95% @45°C (non-condensing)
Certifications	CE, FCC Class B, UKCA

Display

GPU	Intel® Graphics/Intel® UHD Graphics
Graphic Engine	DirectX 12.1, OpenGL 4.6, OpenCL 3.0, 4K @60fps 12b 4:2:0 HEVC/VP9/SCC
Display Interface	1 x DP (Max. 4096 x 2160 @60Hz) colay VGA 1 x HDMI (Max. 4096 x 2160 @60Hz)
# of Displays Supported	2

I/O interface

USB	2 x USB3.2 Gen2 (10 Gbps), 2 x USB2.0
Serial Port	2 x RS232, 2 x RS485
Audio	1 x 2-in-1 headset (MIC-IN & AUDIO-OUT)
Button	1 x Power on, 1 x CLR-CMOS
GPIO	10pin GPIO (4 x GPI, 4 x GPO)
Antenna	2 x Connector for Wi-Fi/BT



Order information

AF208-V1-N15040N0G-GIA	CPU: Intel® Processor N150 RAM: NA Storage: NA
AF208-V1-N10040N0G-GIA	CPU: Intel® Processor N100 RAM: NA Storage: NA
Packing List	2 x Wi-Fi Antenna, 1 x AC Power Cable, 1 x AC Power Adapter
Package	Carton with PMP (Pulp Moulded Products)

⁽³⁾ 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

Wi-Fi/BT Module	Wi-Fi 5 (802.11ac): Intel® Wireless-AC 9560 Wi-Fi 6 (802.11ax) : Intel® Wi-Fi 6 AX201 Wi-Fi 6E (802.11ax) : Intel® Wi-Fi 6E AX210
Operating System License	Windows 11 (64bit)