



RN28

ALDER LAKE-N FANLESS NETWORK APPLIANCE



Intel® Alder Lake-N processors



1 x HDMI (4096 x 2160 @60 Hz)



6 x Intel i210AT Network controller



Fanless design

CPU

CPU	Intel® Processor N100
Turbo Frequency	3.40 GHz
Chipset	SoC
Processing Units	4 Cores
Base Power	6 W

System

System Memory	Up to 16 GB, 1 x SO-DIMM DDR4-3200 MHz
Storage	1 x M-Key M.2 (2280) PCIe X2 for SSD 1 x SATAIII, for 2.5" HDD
TPM	Optional: TPM2.0
Watchdog Timer	Yes
Auto Power On	Yes
RTC	Set up independently every day, a week as a cycle
Remo on	NA
Power Requirement	DC-IN, 19 V/3.42 A DC-IN PSE, 54 V/2.22 A
Dimensions	200 mm x 150 mm x 40 mm (7.87" x 5.90" x 1.57")
Construction	Metal, Grey
Fanless	Yes
Operating System	Windows 11 (64bit) /Linux Ubuntu (64bit)
Operating Temperature	0°C ~45°C (32°F~113°F) @0.7m/s Air Flow
Humidity	95% @ 45°C (non-condensing)
Certifications	CE, FCC Class B, UKCA

Network

Network Controller	6 x Intel i210-AT Gigabit Ethernet
Ethernet Interface	2 x GbE RJ45 4 x GbE RJ45 (PoE 30W/LAN)
BYPASS	1 pair BYPASS on LAN1/LAN2
Wi-Fi/BT	1 x E-Key M.2 (2230) for Wi-Fi/BT Support Wi-Fi 5/6/6E (CNVi)
Cellular Network	NA

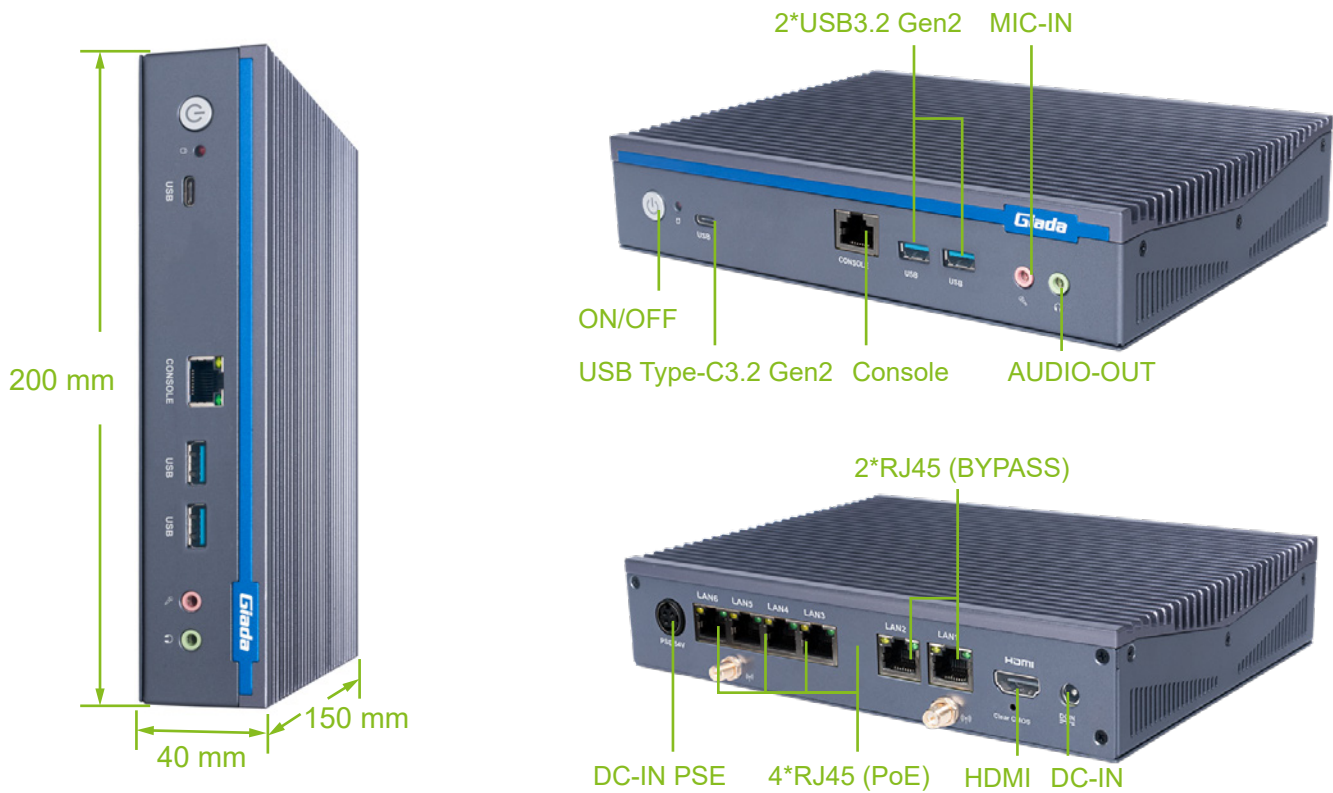
Display

GPU	Intel® UHD Graphics
Graphic Engine	DirectX 12.1, OpenGL 4.6, OpenCL 3.0,
Display Interface	1 x HDMI (Max.4096 x 2160 @60 Hz)

I/O interface

USB	1 x USB Type-C3.2 Gen1 (5 Gbps), 2 x USB3.2 Gen1 (5 Gbps)
Serial Port	1 x RJ45 Console (RS232)
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

Dimensions and Drawing



Order information

RN28-N10040N0G-GIA	CPU: Intel Processor N100
Packing List	2 x Wi-Fi Antenna, 1 x AC Power Cable, 1 x PSE Power Adapter, 1 x AC Power Adapter
Package	Carton, EPE

Optional items

VESA Mounting	VESA Mounting Kit JC283
Wi-Fi/BT Module	Intel® Dual Band Wireless-AC 9260, Intel® Wi-Fi 6 AX200, Intel® Wi-Fi 6E AX210 (Gig+)
Operating System License	Windows 11 (64bit)