



# 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

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

### System

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

### Network

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

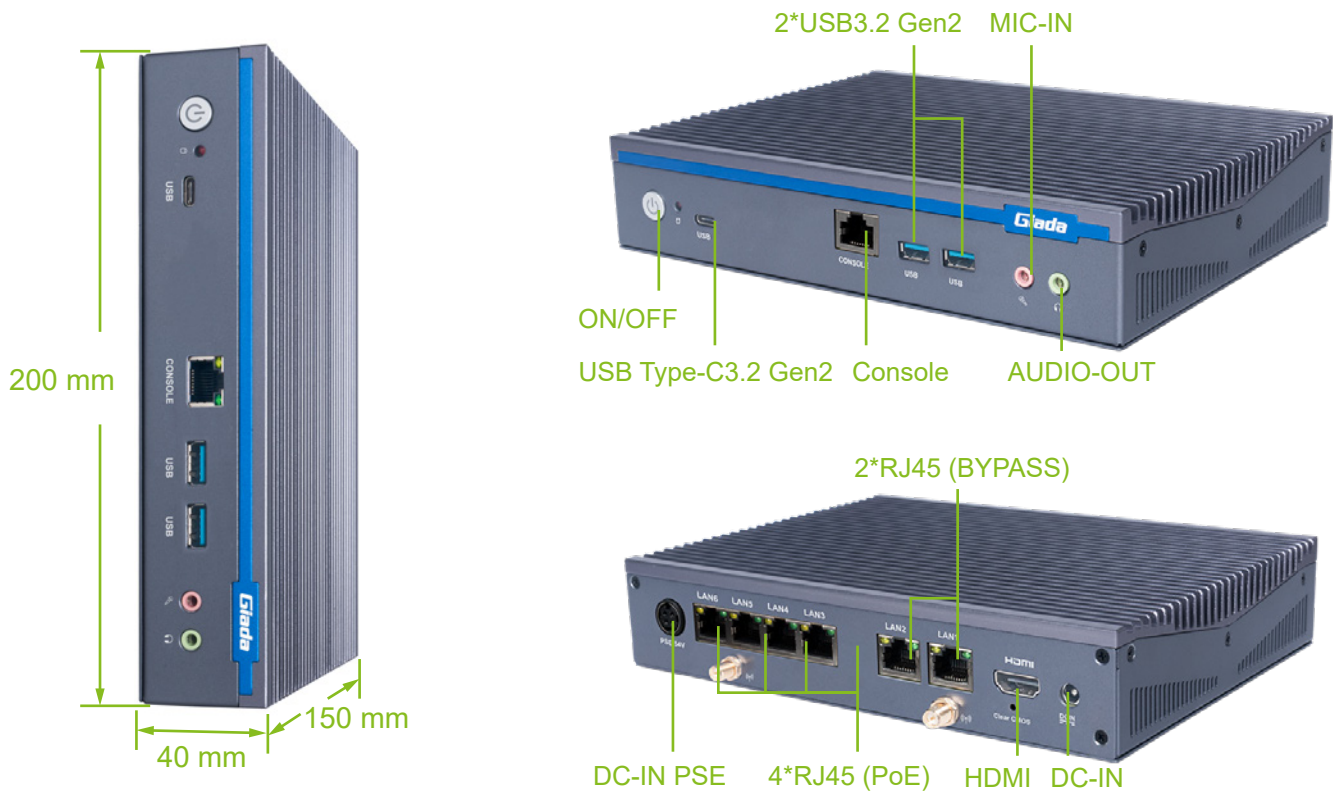
### Display

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

### I/O interface

<b>USB</b>	1 x USB Type-C3.2 Gen1 (5 Gbps), 2 x USB3.2 Gen1 (5 Gbps)
<b>Serial Port</b>	1 x RJ45 Console (RS232/422/485)
<b>Audio</b>	1 x MIC-IN, 1 x AUDIO-OUT
<b>Button</b>	1 x Power on, 1 x CLR-CMOS
<b>Antenna</b>	2 x Connector for Wi-Fi/BT

## Dimensions and Drawing



### Order information

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

### Optional items

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