



Network Appliance



# 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 |
| Chipset       | SoC                   |
| Total Cores   | 4 Cores               |
| Total Threads | 4                     |
| 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<br>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<br>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<br>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<br>Support Wi-Fi 5/6/6E (CNVi) |
| Cellular Network   | NA                                                               |

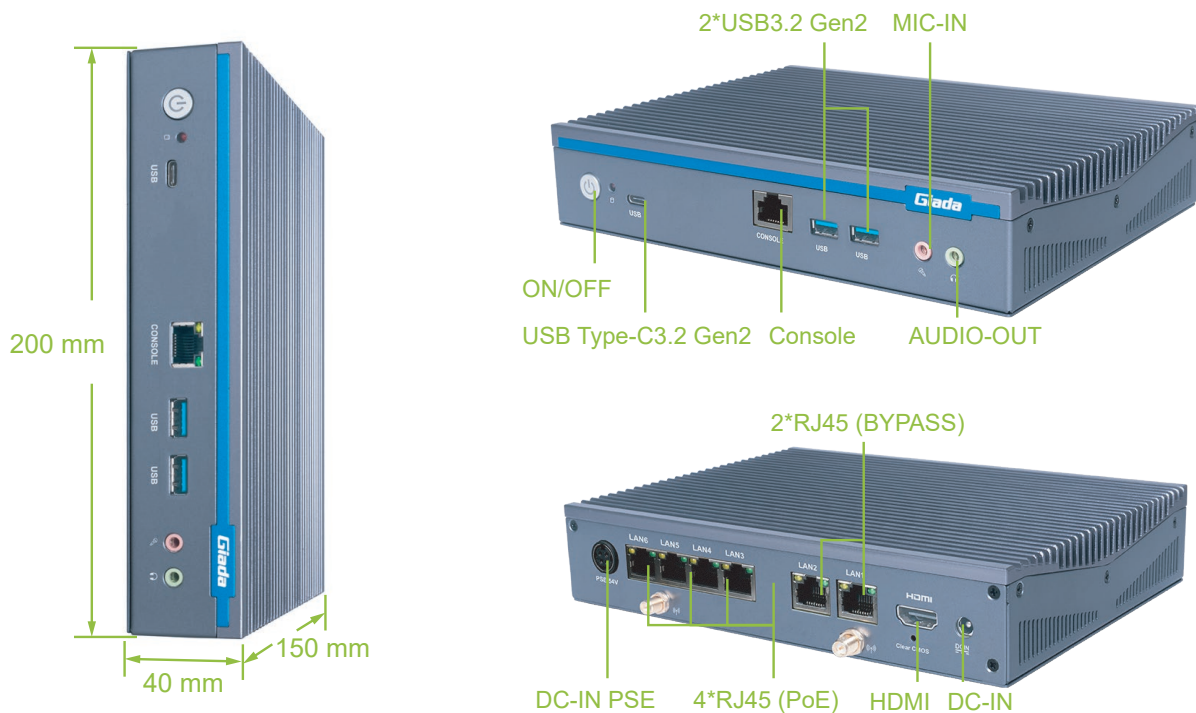
### Display

|                   |                                       |
|-------------------|---------------------------------------|
| 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),<br>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

|                           |                                                                                       |
|---------------------------|---------------------------------------------------------------------------------------|
| <b>RN28-N10040N0G-GIA</b> | CPU: Intel Processor N100                                                             |
| <b>Packing List</b>       | 2 x Wi-Fi Antenna,<br>1 x AC Power Cable, 1 x PSE Power Adapter, 1 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 9560,<br>Intel® Wi-Fi 6 AX200, Intel® Wi-Fi 6E AX210 (Gig+) |
| <b>Operating System License</b> | Windows 11 (64bit)                                                                       |



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