

# NA590

1U Rackmount Network Appliance Platform with LGA1151 Socket Intel® Core™/Xeon® E-2200 Processor, Intel® C246/H310 and up to 26 LAN

## Features

- LGA1151 socket 9th/8th Intel® Core™ i7/i5/i3 & Xeon® E-2200 processor (Coffee Lake/Coffee Lake Refresh)
- 4 DDR4-2666 U-DIMM for up to 128GB of memory
- Max. up to 26 LAN ports
- 2 expandable LAN modules supporting 1GbE/10GbE/25GbE/40GbE/Fiber/Copper/Bypass
- Supports 1U redundant power supply for optional
- Supports IPMI for optional
- Suitable for network security, cloud computing and data centers applications

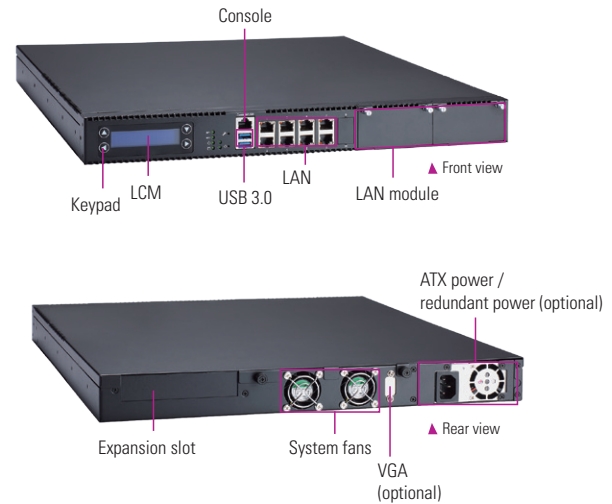


## Specifications

| System              |  |
|---------------------|--|
| CPU                 | LGA1151 socket 9th/8th Intel® Core™ i7/i5/i3 & Xeon® E-2200 processor (Coffee Lake/Coffee Lake refresh)  |
| Chipset             | C246/H310  |
| Memory              | C246: 4 x DDR4-2666 U-DIMM, up to 128GB non-buffer non-ECC/ECC memory<br>H310: 2 x DDR4-2666 U-DIMM, up to 64GB non-buffer non-ECC memory  |
| BIOS                | AMI SPI Flash BIOS   |
| Storage             | 2 x 2.5" SATA HDD<br>1 x Full-size mSATA<br>1 x M.2 2242/2280 Key M slot (PCIe x4) through AX98621 I/O card (C246 optional)<br>1 x 3.5" SATA HDD (optional for 300W single power supply)               |
| Network Interface   | C246: 8 x GbE RJ45 (Intel® i210)<br>10 x GbE RJ-45 (by project)<br>2 x LAN module (optional), max. up to 26 LANs<br>H310: 6 x GbE RJ-45 (Intel® i210)<br>1 x LAN module (optional), max. up to 14 LANs |
| I/O                 | 1 x Console (RJ-type)<br>2 x USB 3.0<br>8 x RJ-45<br>1 x VGA (optional)  |
| TPM                 | Onboard TPM 2.0  |
| IPMI                | Onboard BMC AST2500, IPMI 2.0 for optional   |
| Other Features      | LAN Bypass function through latch relay (two pairs)  |
| Expansion Interface | 1 x PCIe x8 through AX96708 riser card (C246 optional)   |
| Watchdog Timer      | 255 stepping for system reset<br>8 stepping for LAN Bypass   |
| Power Supply        | 300W single power supply<br>400W 1U redundant power supply (by project)  |
| OS Compatibility    | Linux  |

## Mechanical/ Environmental

|                       |  |
|-----------------------|--|
| Form Factor           | 1U rackmount   |
| LED                   | Power, HDD, GPIO programmable, LAN Bypass                    |
| Operating Temperature | 0°C to +45°C (+32°F to +113°F)                               |
| Humidity              | 10% to 85% RH, non-condensing                                |
| Chassis Material      | Steel  |
| Dimensions            | 44 mm (1.73") (H) x 430 mm (16.93") (W) x 450 mm (17.7") (D) |
| Weight (net/gross)    | 6 kg (13.2 lb)/10 kg (22 lb)                                 |
| Certifications        | CE/FCC Class A   |



## Ordering Information

| Standard  |  |
|---|--|
| NA590-R6GI-H310-US 9th w/o IPMI (P/N: E26E590109) | 1U rackmount appliance with LGA1151 socket Intel® Core™ processor, 6 GbE LAN, 2-pair LAN bypass and 1 expandable LAN module (optional)               |
| NA590-R8GI-C246-US 9th w/o IPMI (P/N: E26E590108) | 1U rackmount appliance with LGA1151 socket Intel® Core™/Xeon® E-2200 processor, 8 GbE LAN, 2-pair LAN bypass and 2 expandable LAN modules (optional) |

## Optional

|              |   |
|--------------|---|
| 5916E552000E | DB9F-RJ-45 1.8M console cable for Cisco |
|--------------|---|

\* Specifications and certifications may vary based on different requirements.

## Packing List

|                |
|----------------|
| 2 x SATA cable |
| 1 x Power cord |

## Dimensions

