

# NCA-4012

**1U 19" Rackmount Network Appliance Built with Intel® Xeon® D-1500 4~16 Cores Processor (Codenamed Broadwell-DE)**



Images are for reference only. See ordering information for SKU details.

## ■ Features

- Intel® Xeon® D-1500 4~16 Cores Processor
- 15x GbE, 2x 10G SFP+, 7 Pairs of Bypass (By SKU)
- 2x 288pin DDR4 2400 MHz REG, ECC or Non-ECC UDIMM, Max. 64GB (R-DIMM) or 32GB (ECC)
- 1x RJ45 Console, 2x USB 2.0, 1x NIC Module Slot
- 1x PCIe\*8 HH/HL (Optional), 2x 2.5" Internal HDD/SSD Bays, 1x mSATA
- 2x 20 Character LCM, 4x Keypads

## ■ Specifications

| Platform              |                                                                                                                                                   |
|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Form Factor           | 1U 19" Rackmount                                                                                                                                  |
| Processor Options     | Intel® Xeon® D-1500 4~16 Cores (Broadwell-DE)                                                                                                     |
| CPU Socket            | Onboard                                                                                                                                           |
| Chipset               | SoC                                                                                                                                               |
| Security Acceleration | N/A                                                                                                                                               |
| BIOS                  | AMI SPI Flash BIOS                                                                                                                                |
| System Memory         |                                                                                                                                                   |
| Technology            | DDR4 2400 MHz REG, ECC or Non-ECC UDIMM                                                                                                           |
| Max. Capacity         | R-DIMM: 64GB / ECC: 32GB                                                                                                                          |
| Socket                | 2 x 288-pin DIMM                                                                                                                                  |
| Networking            |                                                                                                                                                   |
| Ethernet Ports        | 8 x RJ45 Intel® i210 (By SKU)<br>SKU A: 7 x GbE RJ45 + 1 x LOM Port<br>8 x RJ45 Intel® i350-AM4 (By SKU)<br>2 x 10G SFP+ Broadwell-D SoC (By SKU) |
| Bypass                | 3 x Pairs of Gen3 (By SKU)                                                                                                                        |
| NIC Module Slot       | 1                                                                                                                                                 |
| LOM                   |                                                                                                                                                   |
| IO Interface          | 1 x RJ45 (By Project) *Share with ETH0                                                                                                            |
| OPMA Slot             | Yes (By SKU)                                                                                                                                      |
| I/O Interface         |                                                                                                                                                   |
| Reset Button          | 1                                                                                                                                                 |
| LED                   | Power/Status/Storage                                                                                                                              |
| Power Button          | 1 x ATX Power Switch                                                                                                                              |
| Console               | 1 x RJ45                                                                                                                                          |
| USB                   | 2 x USB 2.0                                                                                                                                       |
| LCD Module            | 2 x 20 Character LCM, 4 x Keypads                                                                                                                 |
| Display               | From OPMA Slot (By Project)                                                                                                                       |
| Power Input           | AC Power Inlet on PSU                                                                                                                             |
| Storage               |                                                                                                                                                   |

| HDD/SSD Support              | 2 x 2.5" Bays                              |
|------------------------------|--------------------------------------------|
| Onboard Slots                | 1 x mSATA                                  |
| Expansion                    |                                            |
| PCIe                         | 1 x PCIe*8 HH/HL (Optional)                |
| mini-PCIe                    | N/A                                        |
| Miscellaneous                |                                            |
| Watchdog                     | Yes                                        |
| Internal RTC with Li Battery | Yes                                        |
| TPM                          | Yes (Optional)                             |
| Cooling                      |                                            |
| Processor                    | Passive CPU Heatsink                       |
| System                       | 2 x Cooling Fans w/ Smart Fan              |
| Environmental Parameters     |                                            |
| Temperature                  | 0~40°C Operating<br>-20~70°C Non-Operating |
| Humidity (RH)                | 5~90% Operating<br>5~95% Non-Operating     |
| System Dimensions            |                                            |
| (WxDxH)                      | 438 mm x 431 mm x 44 mm                    |
| Weight                       | 7.24 kg                                    |
| Package Dimensions           |                                            |
| (WxDxH)                      | 582 mm x 548 mm x 182 mm                   |
| Weight                       | 11.07 kg                                   |
| Power                        |                                            |
| Type / Watts                 | 300W Power Adapter                         |
| Input                        | AC 100~240V @50~60Hz                       |
| Certification                |                                            |
| Approvals and Compliance     | CE/FCC Class A, UL                         |

## ■ Product I/O View

Images are for reference only. See ordering information for SKU details.



**A** LCM & Keypads

**B** RJ45 Console

**C** USB 2.0

**D** 16x GbE RJ45

**E** 10G SFP+

**F** NIC Module Slot

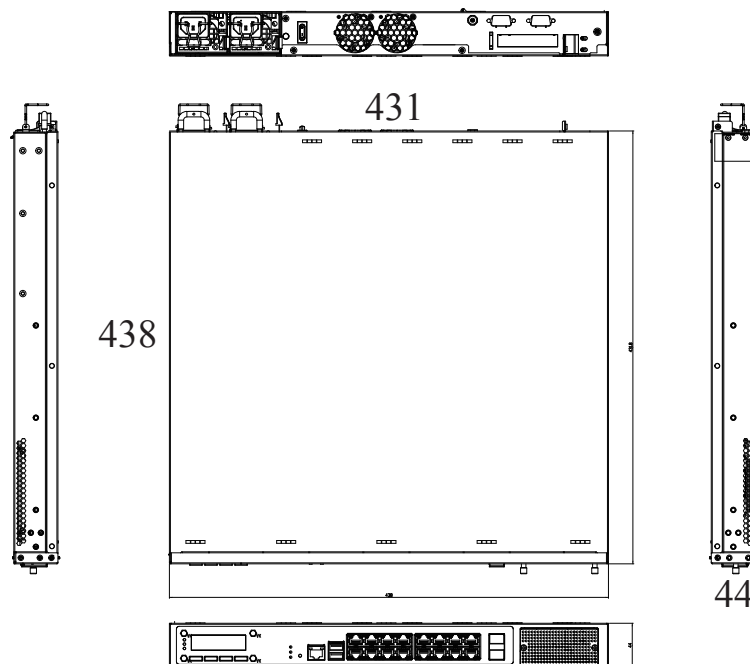
**G** 1x PCIe\*8 HH/HL (Optional)

**H** Fans

**I** Power On/Off

**J** Redundant PSUs

## ■ Dimensions (WxDxH): 438 x 431 x 44 mm



## ■ Ordering Information

|           |                                                                       |
|-----------|-----------------------------------------------------------------------|
| NCA-4012A | Xeon D1548, IPMI (Optional), 15x GbE, 2x 10G SFP+ (7 Pairs of Bypass) |
| NCA-4012B | Xeon D1518, 8x GbE (3 Pairs of Bypass)                                |
| NCA-4012C | Xeon D1577, 8x GbE, 2x 10G SFP+ (3 Pairs of Bypass)                   |

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# Lanner

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