

# NCA-4010

**1U x86 Rackmount Network Appliance based on the Intel Xeon® Processor D-1500 (codename Broadwell-DE)**



## ■ Features

- Onboard Intel® Xeon Processor D-1518/1548 (codename Broadwell-DE) SoC
- SKU A: 16 GbE RJ45 and 2 10G SFP+ ports, SKU B/C: 8 GbE RJ45, SKU D: 8 GbE RJ45 and 2 10G SFP+ ports, SKU E: 15 GbE RJ45 and 2 10G SFP+ ports
- 3 or 7 pairs Gen.3 LAN bypass
- 1 NIC module slot supporting 1/10/40G/Fiber/Copper/Bypass
- Memory: DDR4 up to 2400 MHz, max. capacity up to 32GB
- Optional IPMI support, optional TPM 1.2 support
- 1 x full-size mSATA slot for data storage

## ■ Preliminary Specifications

### Processor System

CPU Options	SKU A/C/D/E: Onboard Intel® Xeon processor D-1548 SoC, BGA SKU B: Onboard D1518 SoC, BGA
Frequency	D-1518: 2.2GHz, D-1548: 2.0GHz
Core Number	D1518: 4 cores, D1548: 8 cores
BIOS	AMI SPI Flash BIOS
Chipset	SoC

### Memory

Technology	DDR4 2400 MHz, REG, ECC or non-ECC UDIMM
Max. Capacity	32GB
Socket	2 x 288-pin DIMM

### Ethernet

Controller	Intel i210-AT, i350-AM4
NIC module	1
Onboard LAN ports	SKU A: 16 x RJ45 GbE ports with 2x SFP+ 10GbE, SKU B/C: 8 x RJ45 GbE ports, SKU D: 8 x RJ45 GbE + 2 x SFP+ 10GbE ports
Interface	RJ-45
Bypass	SKU A/E: 7 pairs Gen.3 LAN bypass SKU B/C/D: 3 pairs Gen.3 LAN bypass

### Storage

Type	SATA
Installation	2 x 2.5" HDD drive bays (Harddrive is NOT included)
Type	mSATA
Installation	1 x full-size mSATA slot

### I/O

Reset Button	1 x reset button, software reset by default
Console	1 x RJ45
USB	2 x USB 2.0 type A
IPMI	By project
TPM	Optional

### Expansion

PCIe	Optional riser card for rear expansion
PCI	N/A

### Cooling

Processor	CPU heatsink with fan duct
System	2 x cooling fans

### Environment

Operating Temperature	0 ~ 40°C
Storage Temperature	-20 ~ 70°C
Relative Humidity	5% ~ 90%, non-condensing

### Miscellaneous

LCD Module	Character LCM with keypad
Watchdog	Yes
Internal RTC with Li Battery	Yes

### Mechanical

Dimension (W x H x D)	438 x 44 x 321 mm
Weight	6 kg
Mounting	Rack mount

### Power

Type / Watts	220W single power supply unit
Input	AC 90~264V@47~63Hz

### Driver Support

Microsoft Windows	Windows 7 Pro, Win 8
Linux	Linux Kernel 2.6 or above

### Approval & Compliance

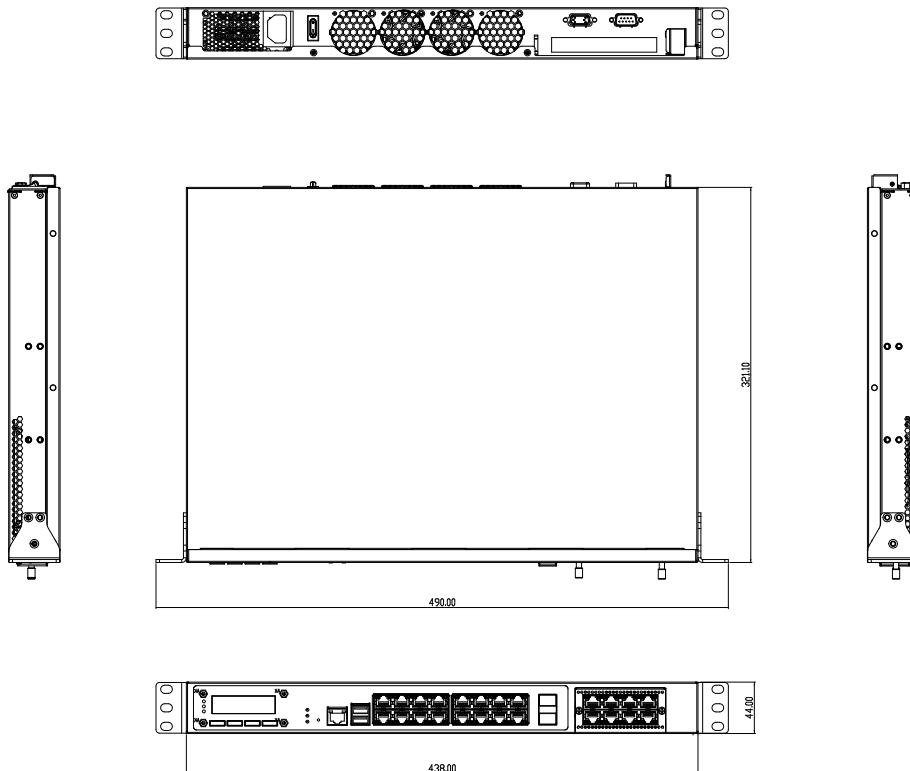
CE Class A, FCC Class A, UL, RoHS

## Product I/O View



- |                      |                           |  |
|----------------------|---------------------------|--|
| <b>A</b> LCM         | <b>D</b> GbE RJ45 ports   | <b>G</b> Cooling fans                      |
| <b>B</b> Console     | <b>E</b> 10GbE SFP+ ports | <b>H</b> Single power supply               |
| <b>C</b> USB port x2 | <b>F</b> NIC module slot  | <b>I</b> Optional rear PCIe expansion slot |

## Dimensions 438 x 44 x 321 mm



## Ordering Information

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|------------------|--|
| <b>NCA-4010A</b> | 1U x86 Rackmount Network Appliance based on Intel Xeon D-1548 Processor (codename Broadwell-DE) SoC, 16 GbE RJ45 with 2 SFP+ 10GbE ports and 1 NIC Module Slot       |
| <b>NCA-4010B</b> | 1U x86 Rackmount Network Appliance based on Intel Xeon D-1518 Processor (codename Broadwell-DE) SoC, 8 GbE RJ45 ports and 1 NIC Module Slot                          |
| <b>NCA-4010C</b> | 1U x86 Rackmount Network Appliance based on Intel Xeon D-1548 Processor (codename Broadwell-DE) SoC, 8 GbE RJ45 ports and 1 NIC Module Slot                          |
| <b>NCA-4010D</b> | 1U x86 Rackmount Network Appliance based on Intel Xeon D-1548 Processor (codename Broadwell-DE) SoC, 8 GbE RJ45 with 2 SFP+ 10GbE ports and 1 NIC Module Slot        |
| <b>NCA-4010E</b> | 1U x86 Rackmount Network Appliance based on Intel Xeon D-1548 Processor (codename Broadwell-DE) SoC, 15 GbE RJ45 with 2 SFP+ 10GbE ports, IPMI and 1 NIC Module Slot |

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