

NCA-4220

1U 19" Rackmount Appliance Powered by Intel
Xeon® E/Core™/Pentium®/Celeron® Processors
(Codenamed Coffee Lake)



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

■ Features

- Intel® Xeon® E, Core™ i7/i5/i3, Pentium® or Celeron® CPU with C246/Q370/H310 Chipset
- 8x or 6x GbE RJ45 i210, 1x NIC Module
- 3x Pairs of Gen 3 LAN Bypass
- 2x 288-pin DIMM DDR4 2666MHz (Max. 32GB)
- 2x USB 3.0 Ports, 2x 2.5" HDD/SSD Intel Drive Bays (15 mm Height)
- 1x PCIe*8 FH/HL (Optional), 1x Mini-PCIe (PCIe/USB2.0)
- 3x or 2x Smart Fans (By SKU)

■ Specifications

Platform	
Form Factor	1U 19" Rackmount
Processor Options	Intel® Xeon® E, Core™ i7/i5/i3, Pentium® or Celeron® CPU (Coffee Lake)
CPU Socket	1x LGA1151
Chipset	Intel® C246/Q370/H310
Security Acceleration	N/A
BIOS	AMI SPI Flash BIOS
System Memory	
Technology	DDR4 up to 2666 UDIMM 8/16GB; ECC DIMM 8/16GB (SKU A Only)
Max. Capacity	32GB
Socket	2 x 288-pin DIMM
Networking	
Ethernet Ports	8 x or 6 x GbE RJ45 Intel® i210
Bypass	3 Pairs Gen3
NIC Module Slot	1
LOM	
IO Interface	N/A
OPMA Slot	N/A
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 3.0
LCD Module	2 x 20 Character LCM
	4 x Keypads
Display	From Mini-PCIe Slot (Optional)
Power Input	AC Power Inlet on PSU
Storage	

HDD/SSD Support	2 x 2.5" Intel Bays (15 mm Height)
Onboard Slots	1 x M.2 (SATA), 1 x M.2 (NVME)
Expansion	
PCIe	1x PCIe*8 FH/HL (Optional)
mini-PCIe	1x Mini-PCIe (PCIe/USB2.0)
Miscellaneous	
Watchdog	Yes
Internal RTC with Li Battery	Yes
TPM	Yes (Optional)
Cooling	
Processor	Passive CPU Heatsink
System	3 x or 2 x Cooling Fans with Smart Fan
Environmental Parameters	
Temperature	0~40°C Operating -20~70°C Non-Operating
Humidity (RH)	5~90% Operating 5~95% Non-Operating
System Dimensions	
(WxDxH)	438 x 321 x 44 mm
Weight	7.5 kg
Package Dimensions	
(WxDxH)	540 x 500 x 230 mm
Weight	8.5 kg
Power	
Type / Watts	220W ATX Single PSU
Input	AC 100~240V @50~60 Hz
Certication	
Approvals and Compliance	RoHS, CE/FCC Class A, UL

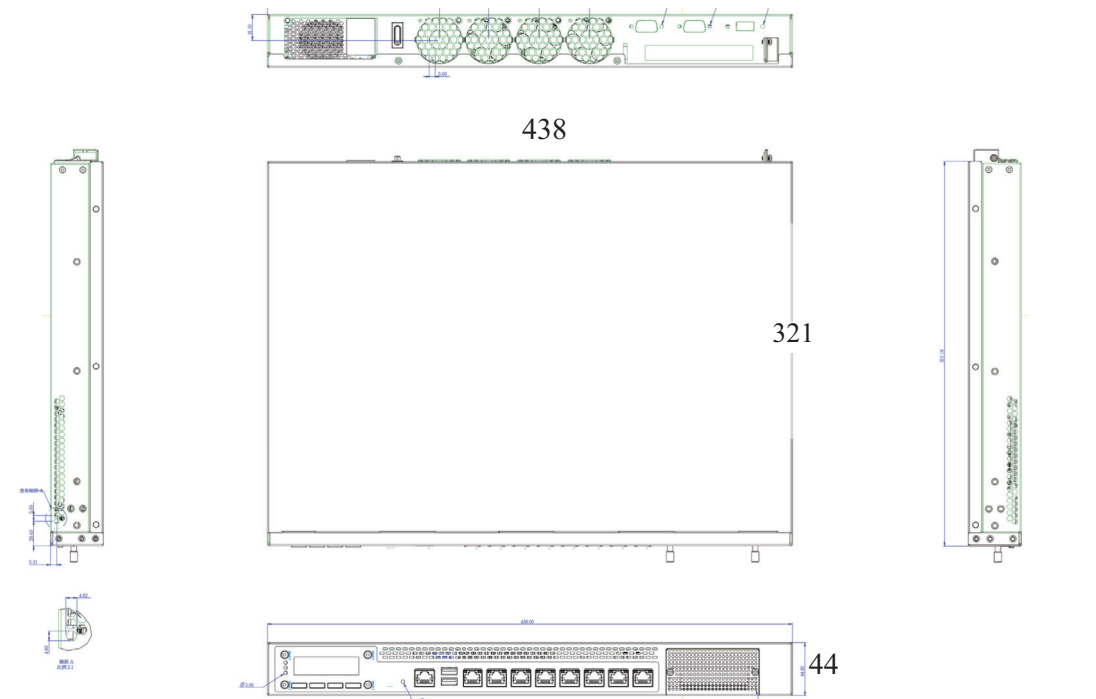
Product I/O View

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|-----------------------|------------------------------|-----------------------|
| A LED | E USB 3.0 | I Cooling Fans |
| B LCM & Keys | F LAN Ports | J Power On/Off |
| C Reset Button | G NIC Slot | K PSU |
| D Console Port | H PCIe Slot (SKU A&B) | |

Dimensions (WxDxH) 438 x 321 x 44 mm



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Ordering Information

NCA-4220A	Intel Coffee Lake, Coffee Lake-S Processor, PCH C246, 2x DDR4 U-DIMM/ECC-DIMM (by CPU), 8x Gbe RJ45, with 3 Pairs of Bypass, 1x RJ45 Console 1x NIC Module Slots (1x PCIe*8 or 2x PCIe*4), 1x LCM, 1x 220W Single PSU
NCA-4220B	Intel Coffee Lake, Coffee Lake-S Processor, PCH Q370, 2x DDR4 U-DIMM (by CPU), 8x Gbe RJ45, with 3 Pairs of Bypass, 1x RJ45 Console 1x NIC Module Slots (1x PCIe*8 or 2x PCIe*4), 1x LCM, 1x 220W Single PSU
NCA-4220C	Intel Coffee Lake, Coffee Lake-S Processor, PCH H310, 2x DDR4 U-DIMM (by CPU), 6x Gbe RJ45, with 3 Pairs of Bypass, 1x RJ45 Console 1x NIC Module Slots (PCIEX8 only), 1x LCM, 1x 220W Single PSU

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