

NCA-1600

Desktop Network Appliance Powered by
Intel® Core i7/i5/i3 (Raptor Lake) CPU



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

Features

- Intel® Core i7/i5/i3 CPU (Codename Raptor Lake)
- 2x 262-pin DDR5 4800MT/s, SODIMM, Max. 64GB
- 4x GbE RJ45, 1x 2.5G RJ45, 2x 10G SFP+
- 1x MicroUSB Console, 1x USB 3.2, 2x Mini Display Ports,
- 1x HHHL PCIe Slot (SKU A/B), 1x M.2 2230 E Key (Wifi),
1x M.2 2280 M Key (Storage), 1x M.2 3042/3052 B Key (5G/LTE)
- Optional Support For Platform Firmware Resilience (PFR) Via E-SCM Module

Specifications

Platform	
Form Factor	Desktop
Processor Options	Intel® Core i7/i5/i3 (Raptor Lake)
Core Numbers	14/12/8/6 Cores
CPU Socket	Onboard
Chipset	SoC
Security Acceleration	N/A
BIOS	AMI SPI Flash BIOS
System Memory	
Technology	DDR5 4800 MT/s Non-ECC SODIMM
Capacity	16GB/32GB/64GB
Socket	2 x 262-pin SODIMM
Networking	
Ethernet Ports	4x GbE RJ45, 1x 2.5G RJ45, 2x 10G SFP+
NIC Module Slot	N/A
I/O Interface	
Reset Button	1
LED	Power/Status/Storage
Power Button	1
Console	1 x MicroUSB
USB	1 x USB 3.2
LCD Module	N/A
Display	2 x Mini Display Ports
Power Input	1 x 2x3 12V Power Connector
Storage	
HDD/SSD Support	N/A
Onboard Slots	1 x M.2 2280 M Key
Expansion	
PCIe	1 x HHHL Slot (SKU A/B)

Mini-PCIe/M.2	1 x M.2 (PCIe) 2230 E Key For Wifi
	1 x M.2 (USB3.1/2.0) 3042/3052 B Key For 5G/LTE
	1 x M.2 (SATA) 2280 M Key For Storage
SIM Card Slot	1 x Nano SIM for M.2 Slot (5G/LTE)
Miscellaneous	
Watchdog	Yes
Internal RTC with Li Battery	Yes
TPM	Yes
PFR	Yes (Optional)
Cooling	
Processor	Passive CPU Heatsink
System	4 x Smart Fans
Environmental Parameters	
Temperature	0~40°C Operating -40~70°C Non-Operating
Humidity (RH)	5~90% Operating 5~95% Non-Operating
System Dimensions	
(WxDxH)	250 x 250 x 44 mm
Weight	2.1 kg
Package Dimensions	
(WxDxH)	TBD
Weight	TBD
Power	
Type / Watts	150W/90W Power Adapter (By SKU)
Input	AC 100~240V @50~60 Hz
Certification	
Approvals and Compliance	RoHS, CE/FCC Class B (Without PoE), UL, UKCA

Product I/O View

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



- | | | |
|-------------------------|--------------------------------|----------------------------|
| A LED | E 1x USB 3.2 | I 1x HHHH PCIe Slot |
| B Reset | F 4x 1GbE RJ45 | J 2x 10GbE SFP+ |
| C Power Button | G 1x MicroUSB Console | K Power Inlet |
| D 1x 2.5GbE RJ45 | H 2x Mini Display Ports | L 4x Smart Fans |

Dimensions (WxDxH) 250 x 250 x 44 mm

Ordering Information

NCA-1600A	Intel Core i7-13800HRE 14C, 4x 1GbE RJ45, 1x 2.5G RJ45, 2x 10G SFP+ , 1x HHHH PCIe Slot, 150W Adaptor
NCA-1600B	Intel Core i5-13600HRE 12C, 4x 1GbE RJ45, 1x 2.5G RJ45, 2x 10G SFP+ , 1x HHHH PCIe Slot, 150W Adaptor
NCA-1600C	Intel Core i3-1320PRE 8C, 4x 1GbE RJ45, 1x 2.5G RJ45, 2x 10G SFP+ , 96W Adaptor
NCA-1600D	Intel Core i3-1315URE 6C, 4x 1GbE RJ45, 1x 2.5G RJ45, 2x 10G SFP+ , 96W Adaptor