

NCA-1250

Multi-core x86 Network Appliance With
Intel® Alder Lake N, Amston Lake Or Twin Lake



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

Features

- Intel® Atom® x7425E/x7405C/x7835RE & Processor N97/N250/N150
- DDR5 4800MT/s, SODIMM, Max. 16GB
- 6x 2.5GbE RJ45 (By SKU), 1x USB 3.0, 1x Console
- 1x M.2 (SATA) 2280, 1x EMMC 16GB Onboard (By SKU)
- 1x M.2 3042/3050/3052 For 5G/LTE (USB3.2), 1x M.2 2230 E Key For Intel AX201 (CNVio) (SKU A/B)

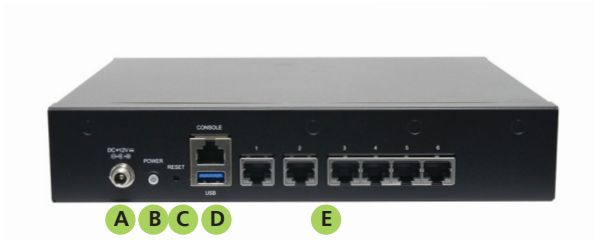
Specifications

Platform	
Form Factor	Desktop
Processor Options	Intel® Atom® x7425E/N97(Alder Lake N) x7405C/x7835RE (Amston Lake) N250/N150 (Twin Lake)
CPU Socket	Onboard
Chipset	SoC
Security Acceleration	N/A
BIOS	AMI SPI Flash BIOS
System Memory	
Technology	DDR5 4800MT/s SODIMM
Max. Capacity	16GB
Socket	1 x 262-pin SODIMM
Networking	
Ethernet Ports	SKU A: 6 x 2.5GbE RJ45 LAN Ports SKU B: 5 x 2.5GbE RJ45 LAN Ports SKU C: 6 x 2.5GbE RJ45 LAN Ports SKU D: 6 x 2.5GbE RJ45 LAN Ports SKU E: 5 x 2.5GbE RJ45 LAN Ports SKU F: 5 x 2.5GbE RJ45 LAN Ports
Bypass	N/A
NIC Module Slot	N/A
LOM	
IO Interface	N/A
OPMA Slot	N/A
I/O Interface	
Reset Button	1
LED	Power/Status/Storage
Power Button	1
Console	1 x RJ45
USB	1 x USB 3.0
LCD Module	N/A
Display	N/A
Power Input	1 x DC Jack
Storage	
HDD/SSD Support	N/A

Onboard Slots	1 x M.2 (SATA) 2280 1 x EMMC 16GB onboard (SKU A/C/D/E/F)
Expansion	
PCIe	N/A
Mini-PCIe/M.2/SIM	1 x M.2 3042/3050/3052 For 5G/LTE (USB3.2) 1 x M.2 2230 E Key For Intel AX201 (CNVio, SKU A/B Only) 1 x Nano SIM
PGN Module	N/A
Miscellaneous	
Watchdog	Yes
Internal RTC with Li Battery	Yes
TPM	Yes (SKU A/C/D/E/F)
Cooling	
Processor	Passive CPU Heatsink
System	Fanless
Environmental Parameters	
Temperature	0~40°C Operating -20~70°C Non-Operating
Humidity (RH)	10~90% Operating 5~95% Non-Operating
System Dimensions	
(WxHxD)	231 x 44 x 200 mm
Weight	1.1 kg
Package Dimensions	
(WxHxD)	358 x 290 x 135 mm
Weight	2.3 kg
Power	
Type / Watts	12V 40W Power Adapter
Input	AC 100~240V@50~60Hz
Certification	
Approvals and Compliance	RoHS, CE/FCC Class B

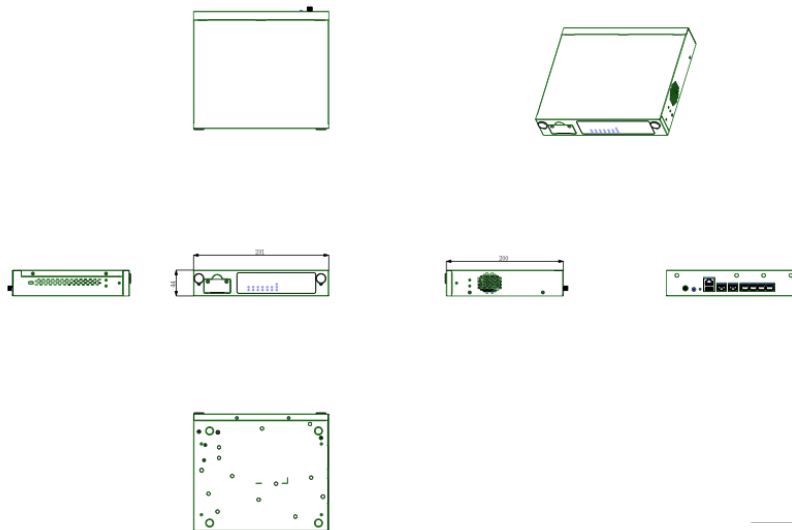
Product I/O View

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



- A** DC Jack With Lock
- B** Power Button
- C** Reset Button
- D** Console & USB
- E** 6x 2.5GbE RJ45 (SKU A/C/D) Or 5x 2.5GbE RJ45 (SKU B/E/F)
- F** SIM Cover
- G** LAN LED
- H** Status LED

Dimensions (WxDxH): 231 x 200 x 44 mm



Ordering Information

NCA-1250A	Intel x7425E 4-Core With 6x 2.5GbE RJ45 LAN Ports, 1x TPM Onboard, Wi-Fi/LTE/5G Modules Support
NCA-1250B	Intel N97 4-Core With 5x 2.5GbE RJ45 LAN Ports, 1x TPM (By Project), Wi-Fi/LTE/5G Modules Support
NCA-1250C	Intel x7405C 4-Core With 6x 2.5GbE RJ45 LAN Ports, 1x TPM Onboard, LTE/5G Modules Support
NCA-1250D	Intel x7835RE 8-Core With 6x 2.5GbE RJ45 LAN Ports, 1x TPM Onboard, LTE/5G Modules Support
NCA-1250E	Intel N250 4-Core With 5x 2.5GbE RJ45 LAN Ports, 1x TPM Onboard, LTE/5G Modules Support
NCA-1250F	Intel N150 4-Core With 5x 2.5GbE RJ45 LAN Ports, 1x TPM Onboard, LTE/5G Modules Support

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