

NCA-6520

2U 19" Rackmount Network Appliance Built
With 3rd Gen Intel® Xeon® Scalable
Processor (Codenamed Ice Lake SP)



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

■ Features

- Dual 3rd Gen Intel® Xeon® Scalable Processor
- 24x DDR4 2133/2400/2666/2933/3200 MHz, Max. 1536GB
- 8x NIC Slots, 2x GbE RJ45, 1x RJ45 Console, 1x LOM, 2x USB 3.0
- PCIe* 16 Gen 4 Expansion (Optional), 3x M.2-2280 (NVME & SATA)
- 100G Intel® QAT, Intel SGX, Intel Boot Guard, TPM 2.0
- 4x Individual Hot-swappable Fans, 1300W/2000W 1+1 ATX Redundant PSUs

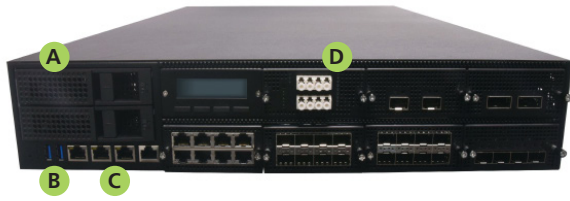
■ Specifications

Platform	
Form Factor	2U 19" Rackmount
Processor Options	3rd Gen Intel® Xeon® Scalable Processor (Codenamed Ice Lake SP)
CPU Socket	2 x LGA4189
Chipset	Intel® C627A
Security Acceleration	Intel® QuickAssist Technology
BIOS	AMI SPI Flash BIOS
System Memory	
Technology	DDR4 2133/2400/2666/2933/3200 MHz R-DIMM / LRDIMM
Max. Capacity	1536GB
Socket	24 x 288-pin DIMM
Networking	
Ethernet Ports	2 x GbE RJ45 Intel® i350-AM2
Bypass	Depending on NIC Module Specifications
NIC Module Slot	8
LOM	
IO Interface	1 x LOM Port via BMC for Remote Mgmt.
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	N/A (Default) 2x20 Character LCM w/ 4x Keypads (Optional)
Display	1 x VGA (Optional)
Power Input	AC Power Inlet on PSU
Storage	

HDD/SSD Support	2x 3.5" or 2.5" Internal Bays
Onboard Slots	2x M.2 NVME 2280; 1x M.2 2280 SATA
Expansion	
PCIe	Default: N/A Optional: SKU A 1 x PCIe x16 Gen4 FH/FL Single-slot Size Bracket + 1 x PCIe x16 Gen4 FH/HL Single-slot Size Bracket (With Support For Up To 75W Double Side At Rear)
	Optional: SKU B 2 x PCIe x16 Gen4 FH/FL Dual-slot Size Bracket (With Support For Up To 300W GPU Double Side At Rear)
mini-PCIe	N/A
Miscellaneous	
Watchdog	Yes
Internal RTC with Li Battery	Yes
TPM	Optional
Cooling	
Processor	Passive CPU Heatsink
System	4 x Individual Hot-swappable 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	
(WxHxD)	438mm x 720mm x 88mm
Weight	19.3kg
Package Dimensions	
(WxHxD)	588mm x 997mm x 250mm
Weight	32kg
Power	

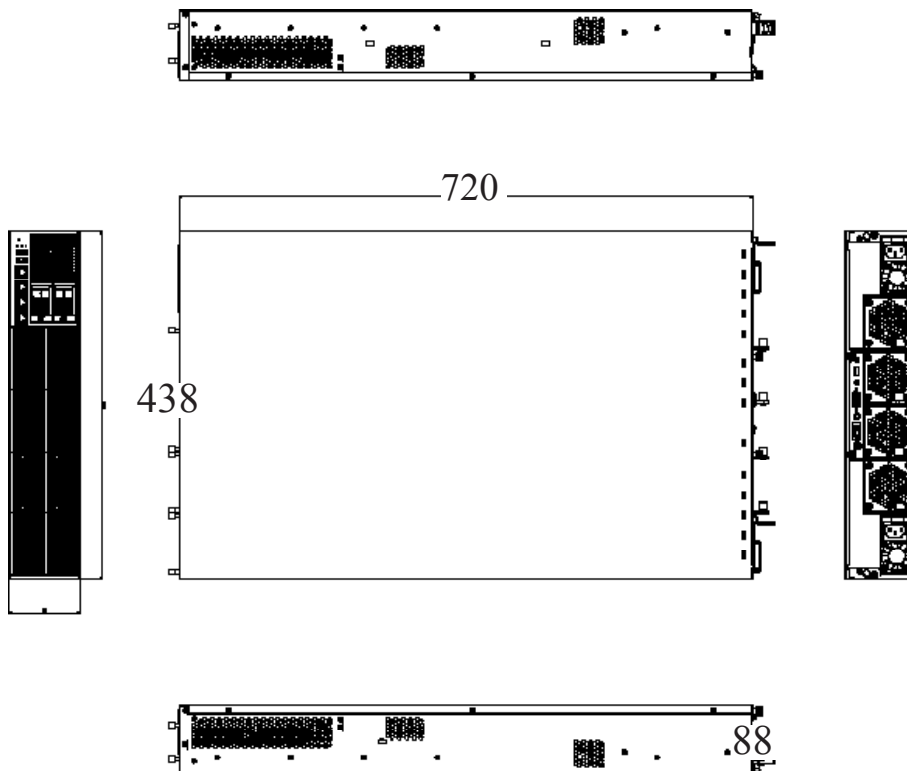
Product I/O View

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- A** 2x HDD/SSD Bays
- B** 2x USB3.0
- C** 2x GbE RJ45 & 1x LOM & 1x Console (front)
- D** 8x NIC Module Slots
- E** 2x PCI-E*16
- F** Power Supply Units
- G** Swappable Fans
- H** Power Switch
- I** VGA or Console (Optional)
- J** 1x USB 2.0 (Optional)

Dimensions (WxHxD): 438 x 720 x 88 mm



Ordering Information

NCA-6520A Up to 2x Ice Lake-SP(270W) / PCH C627A / 2x GbE RJ45 MGMT / AST2500 MGMT with 1300W 1+1 Redundant PSU

NCA-6520B Up to 2x Ice Lake-SP(185W) / PCH C627A / 2x GbE RJ45 MGMT / AST2500 MGMT with 2000W 1+1 Redundant PSU /Support GPU Card

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contact@lannerinc.com | www.lannerinc.com