

CAR-6040

2U rackmount system with Intel Xeon SP Gen.5 and enhanced AI support for Cybersecurity Solutions



1x Intel Xeon SP Gen.5 Processor (Emerald Rapids)
 16x DDR5 RDIMM Memory, up to 5600 MHz
 8x Portwell NIN Modules (PCI Express 5.0 x8 each)
 1x PCIe Gen.5 x16 expansion slot
 Storage: 4x SATA 3.0 for 2.5" SSDs, 2x M.2 onboard
 800 Watts Common Redundant PSU (CRPS)

Specifications

Platform	
Processor	1 x Intel Xeon Scalable Gen.5 Processor (Emerald Rapids)
System Memory	16 x DDR5 ECC 5600MHz DIMMs
Ethernet Port	2 x RJ45 2.5GbE Port(s) on board
Bypass	Based on Portwell NIC Module or Standard add-on card
Expansion	8 x PCIe 5.0 x8 for Portwell NIN Modules, 1 x Standard NIC slot Full Height Full Length (PCIe 5.0 x16)
Storage Device	Up to 4 x SATA 3.0 SSDs, 2 x M.2 B-Key (SATA 3.0 & PCIe 3.0 x4)
Chipset	Intel C741 PCH (Emmitsburg)
Power Supply	800W Redundant PSU
Dimension	443mm x 600mm x 88mm (17.72" x 24" x 3.52")
I/O	
Management Console	1 x RJ45, 1 x Type-C, 1 x RJ45 GbE Port (BMC)
USB Port	3 x USB 3.0 Port(s)
Display Output	1 x VGA Port (Optional from LOM or VGA module)
LED	Power / System Status / PSU
LOM	IPMI 2.0 w/ GbE Speed

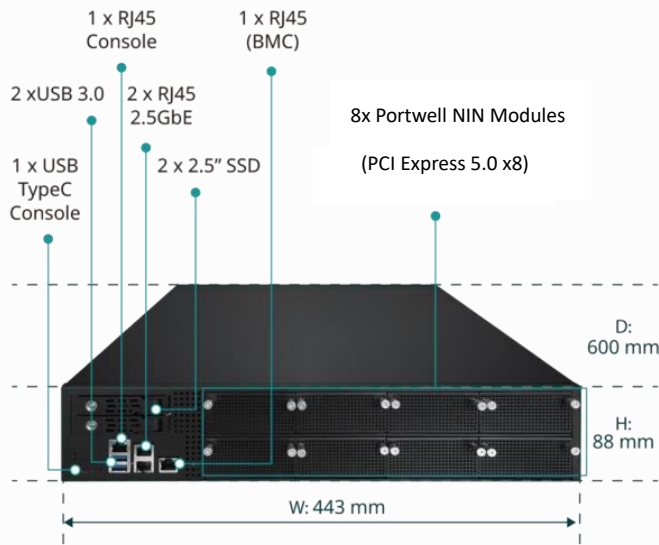
Operations & Certifications

Operating Environment	Temperature: 0 - 40°C (32 - 104°F), Humidity: 20 - 90% RH
Storage Environment	Temperature: -10 - 70°C (14 - 158°F), Humidity: 5 - 95% RH
Certification	CE / FCC
OS Support	Linux

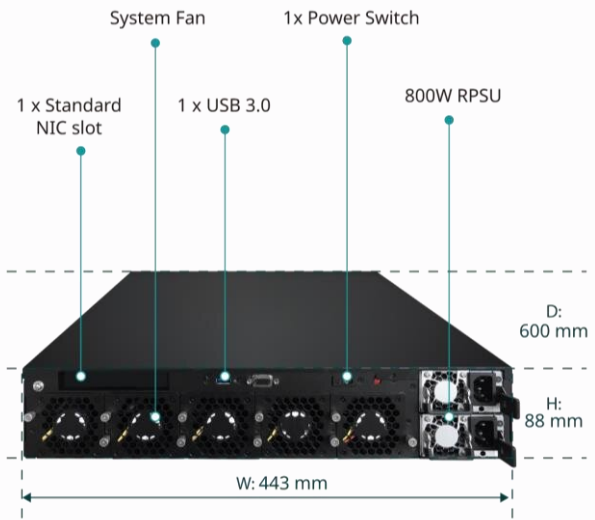
CAR-6040

2U rackmount system with Intel Xeon SP Gen.5 and enhanced AI support for Cybersecurity Solutions

Front I/O



Back I/O



Ordering Information

Optional CPUs

Model	Core/Thread	Frequency (Max.)	TDP
Intel Xeon Gold 5515+	8C/16T	3.2 GHz (4.1 GHz)	165W
Intel Xeon Gold 5520+	28C/56T	2.2 GHz (4.0 GHz)	205W
Intel Xeon Gold 6526Y	16C/32T	2.8 GHz (3.9 GHz)	195W
Intel Xeon Gold 6530	32C/64T	2.1 GHz (4.0 GHz)	270W
Intel Xeon Gold 6534	8C/16T	3.9 GHz (4.2 GHz)	195W
Intel Xeon Gold 6538Y+	32C/64T	2.2 GHz (4.0 GHz)	225W
Intel Xeon Gold 6542Y	24C/48T	2.9 GHz (4.1 GHz)	250W
Intel Xeon Gold 6544Y	16C/32T	3.6 GHz (4.1 GHz)	270W
Intel Xeon Gold 6548Y+	32C/64T	2.5 GHz (4.1 GHz)	250W
Intel Xeon Platinum 8558	48C/96T	2.1 GHz (4.0 GHz)	330W
Intel Xeon Platinum 8562Y+	32C/64T	2.8 GHz (4.1 GHz)	300W
Intel Xeon Platinum 8568Y+	48C/96T	2.3 GHz (4.0 GHz)	350W
Intel Xeon Platinum 8570	56C/112T	2.1 GHz (4.0 GHz)	350W
Intel Xeon Platinum 8580	60C/120T	2.0 GHz (4.0 GHz)	350W

Optional Network Modules

Model	Type	Manufacturer	Number of Ports
NIN-52081	Ethernet	Intel I350 AM4	8 x 1GbE SFP
NIN-83040	Ethernet	Intel XL710-BM1	4 x 10GbE SFP+
NIN-86021	Ethernet	Intel XL710AM2	2 x 40GbE QSFP28
NIN-87020	Ethernet	Intel XXV710-AM2	2 x 25GbE SFP28
NIN-88022	Ethernet	Intel E810CAM1	1 x 100GbE QSFP28