

# CAR-5070

High-Performance Multi-Networking Solution based on two Intel Xeon SP Gen.5 for 64 Ethernet ports

2x Intel Dual Xeon Emerald Rapids Processors

Supports Intel QAT

16 x DDR5 RDIMM memory, up to 5600 MHz (1DPC)

Supports up to 8 x CASwell Proprietary NIN Modules (PCIe Gen.5) for up to 64 GbE Ports

Supports 1 x internal standard PCIe Gen.5 x16 NIC

Supports 1 x SlimSAS for U.2 SSD & 2 x 2280 M.2 SSDs (PCIe Gen.4)

Common Redundant PSU (CRPS, up to 1200 Watt)



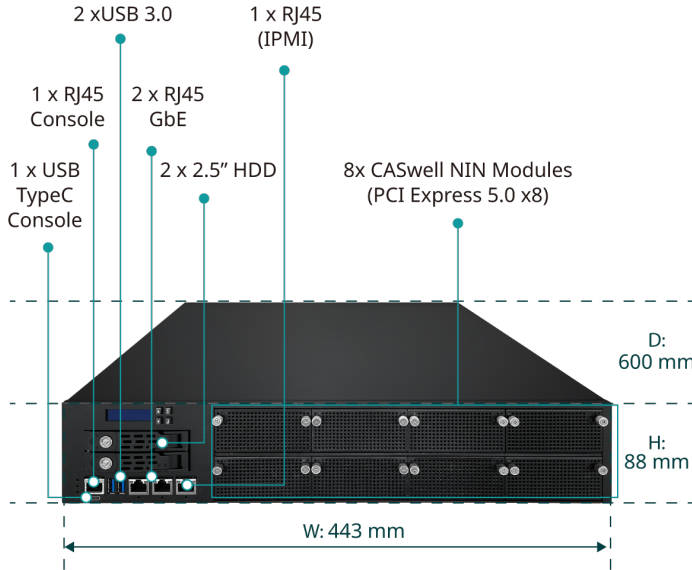
## Specifications

Model Name	
Platform	
Processor	2 x Intel Xeon Scalable Gen.5 Processor (Emerald Rapids)
Chipset	Intel C741 PCH (Emmitsburg)
System Memory	16 x DDR5 ECC 5600MHz DIMMs
Max Memory	-
Ethernet Port	2 x RJ45 GbE Port(s) on board,
Bypass	Based on CASwell NIC Module or Standard add-on card
Expansion	Up to 8 PCIe Gen5 x 8 for CASwell NIN Modules, 1 x internal standard PCIe Gen.5 x16 NIC (Full-Height)
Storage Device	1 x SlimSAS U.2 SSD (PCIe Gen.4 x8), 4 x SATA 3.0, 2 x M.2 2280 M-key (PCIe Gen.4 x4)
Power Supply	1200W Redundant PSU
Dimension (WxDxH)	443mm x 600mm x 88mm (17.72" x 24" x 3.52")
Weight (Kg)	-
I/O	
Management Console	2 x GbE RJ45 System Console Ports (i210AT), 1 x RJ45 or USB Type C Console Port
USB Port	2 x USB 3.0 Port(s)
Display Output	1 x VGA Port
LCD Panel	128 x 32/64 Graphic, 2 x 16 Characters
LED	Power / HDD
LOM	IPMI 2.0 w/ GbE Speed
Operation & Certifications	
Operating Environment	Temperature: 0 - 40°C (32 - 104°F), Humidity: 10 - 90% RH
Storage Environment	Temperature: -10 - 70°C (14 - 158°F), Humidity: 5 - 95% RH
Certification	CE / FCC
OS Support	Linux

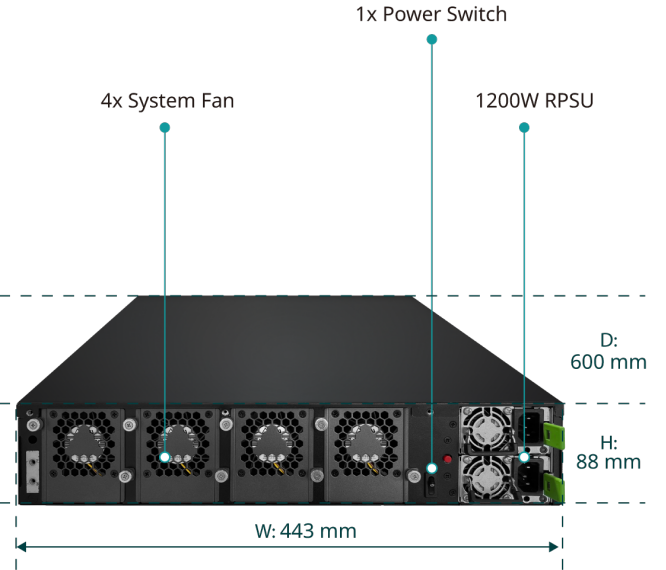
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## Front I/O



## Back I/O



## Ordering Information

System			
SKU	Description		
<b>Optional CPUs</b>			
Model	Core/Thread	Frequency (Max.)	TDP
Intel Xeon Gold 5515+	8C/16T	3.2 GHz (4.1 GHz)	165W
Intel Xeon Gold 6438N	32C/64T	2.0 GHz (3.6 GHz)	205W
Intel Xeon Gold 6526Y	16C/32T	2.8 GHz (3.9 GHz)	195W
Intel Xeon Gold 6538N	32C/64T	2.1 GHz (4.1 GHz)	205W
Intel Xeon Gold 6538Y+	32C/64T	2.2 GHz (4.0 GHz)	225W
Intel Xeon Gold 6548Y+	32C/64T	2.5 GHz (4.1 GHz)	250W
Intel Xeon Gold 6558Q	32C/64T	3.2 GHz (4.1 GHz)	350W
Intel Xeon Platinum 8568Y+	48C/96T	2.3 GHz (4.0 GHz)	350W
Intel Xeon Silver 4410Y	12C/24T	2.0 GHz (3.9 GHz)	150W
Intel Xeon Silver 4516Y+	24C/48T	2.2 GHz (3.7 GHz)	185W
<b>Optional NICs</b>			
Model	Type	Manufacturer	Number of Ports
NIN-51040	Ethernet	Intel I350 AM4	4 x 1GbE RJ45
NIN-51081	Ethernet	Intel I350 AM4	8 x 1GbE RJ45
NIN-51240	Bypass	Intel I350 AM4	4 x 1GbE RJ45
NIN-51481	Bypass	Intel I350 AM4	8 x 1GbE RJ45
NIN-52040	Ethernet	Intel I350 AM4	4 x 1GbE SFP
NIN-52081	Ethernet	Intel I350 AM4	8 x 1GbE SFP
NIN-52120	Bypass	Intel I350 AM2	2 x 1GbE SFP (SX)
NIN-52240	Bypass	Intel I350 AM4	4 x 1GbE SFP (SX)
NIN-52241	Bypass	Intel I350 AM4	4 x 1GbE SFP (LX)
NIN-55280	Bypass	Intel I350 AM4	4 x 1GbE RJ45 + 4 x 1GbE SFP
NIN-59080	Ethernet	Intel i226-LM	8 x 2.5GbE RJ45
NIN-83020	Ethernet	Intel X710-BM2	2 x 10GbE SFP+
NIN-83040	Ethernet	Intel XL710-BM1	4 x 10GbE SFP+
NIN-83120	Bypass	Intel X710-BM2	2 x 10GbE SFP+



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