

CAR-4080

1U system based on AMD Ryzen 7000 for Networking and Cybersecurity Solutions at the Edge



1U system can feature over 32 Ethernet ports and speed up networking while protecting your business from outside threats AMD Ryzen 7000 Processor (Socket AM5, up to 105W)

AMD B650 Chipset

4 x DDR5-4800 DIMM, up to 128 GB

4 x CASwell NIN Modules for up to 32x Ethernet Ports 1 x PCIe 4.0 x8 Slot for NIC or AI accelerator

1 x M.2 SATA, 2 x SATA 3.0 storage

Specifications

Platform	
Processor	1 x AMD Ryzen 7000 Processor (Raphael)
System Memory	4 x DDR5 ECC 4800MHz DIMM
Ethernet Port	2 x RJ45 GbE Port(s) on board, Up to 32+ x Ethernet Port(s)
Bypass	Optional based on CASwell NiNBased on CASwell NIC Module or Standard add-on card
Expansion	4 x CASwell NIN Module
Storage Device	1 x M.2 SATA, 2 x SATA 3.0
Chipset	AMD B650 PCH
Power Supply	300W Redundant PSU
Max Memory	Up to 128GB
I/O	
Management Console	2 x RJ45
USB Port	2 x USB 3.0 Port(s)
Display Output	1 x HDMI Port (Optional)
LED	Power / System Status

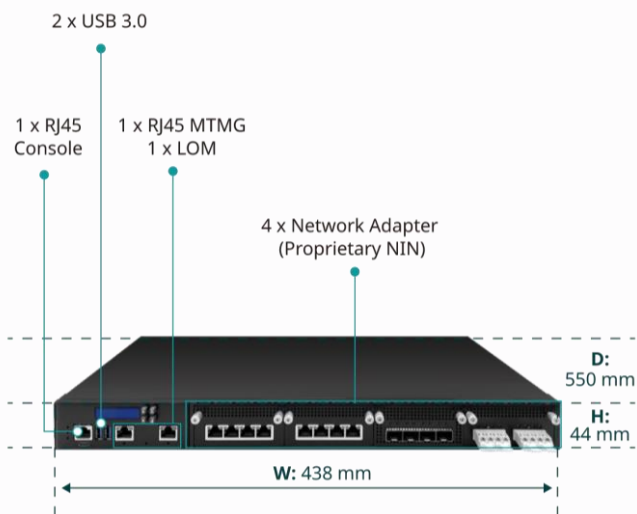
Operations & Certifications

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

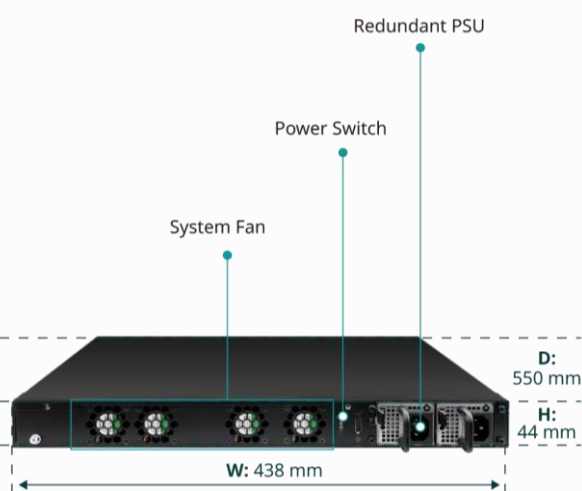
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Front I/O



Back I/O



Ordering Information

System

SKU	Description
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Optional CPUs

Model	Core/Thread	Frequency (Max.)	TDP
Ryzen 5 7600	6C/12T	3.80GHz (5.10GHz)	65W
Ryzen 5 7600X	6C/12T	4.70GHz (5.30GHz)	105W
Ryzen 7 7700	8C/16T	3.80GHz (5.30GHz)	65W
Ryzen 7 7700X	8C/16T	4.50GHz (5.40GHz)	105W
Ryzen 9 7900	12C/24T	3.70GHz (5.40GHz)	65W

Optional Network Modules

Model	Type	Manufacturer	Number of Ports
NIN-52240	Bypass	Intel I350 AM4	4 x 1GbE SFP (SX)
NIN-52241	Bypass	Intel I350 AM4	4 x 1GbE SFP (LX)
NIN-83020	Ethernet	Intel X710-BM2	2 x 10GbE SFP+
NIN-83040	Ethernet	Intel	4 x 10GbE SFP+
NIN-83041	Ethernet	XL710-BM1	4 x 10GbE SFP+
NIN-83042	Ethernet	Intel C625	4 x 10GbE SFP+
NIN-83120	Bypass	Intel C626	2 x 10GbE SFP+
NIN-83121	Bypass	Intel X710-BM2	2 x 10GbE SFP+
NIN-83240	Bypass	Intel X710-BM2	4 x 10GbE SFP+
NIN-83241	Bypass	Intel XL710-BM1	4 x 10GbE SFP+
NIN-87020	Ethernet	Intel XXV710-AM2	2 x 25GbE SFP28
NIN-88020	Ethernet	Intel E810 CAM2	2 x 100GbE QSFP28