

CAR-4080

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



- 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

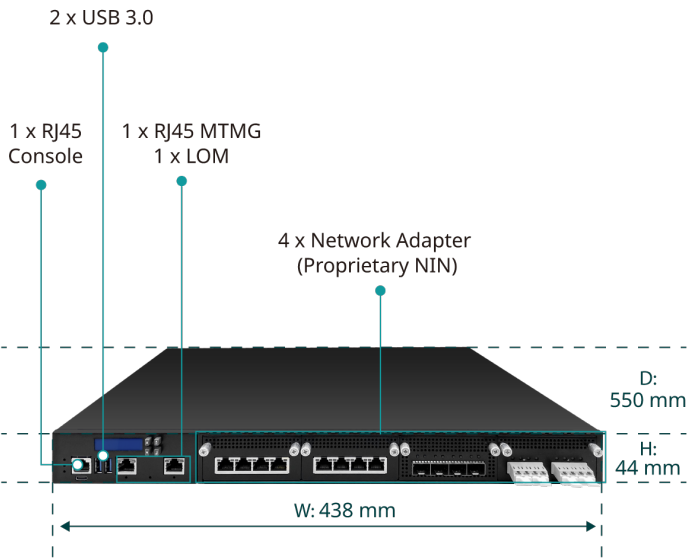
Specifications

Model Name	
Platform	
Processor	1 x AMD Ryzen 7000 Processor (Raphael)
Chipset	AMD B650 PCH
System Memory	4 x DDR5 ECC 4800MHz DIMM
Max Memory	Up to 128GB
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
Power Supply	300W Redundant PSU
Dimension (WxDxH)	-
Weight (Kg)	-
I/O	
Management Console	2 x RJ45
USB Port	2 x USB 3.0 Port(s)
Display Output	1 x HDMI Port (Optional)
LCD Panel	-
LED	Power / System Status
LOM	-
Operation & 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	TBD
OS Support	Linux

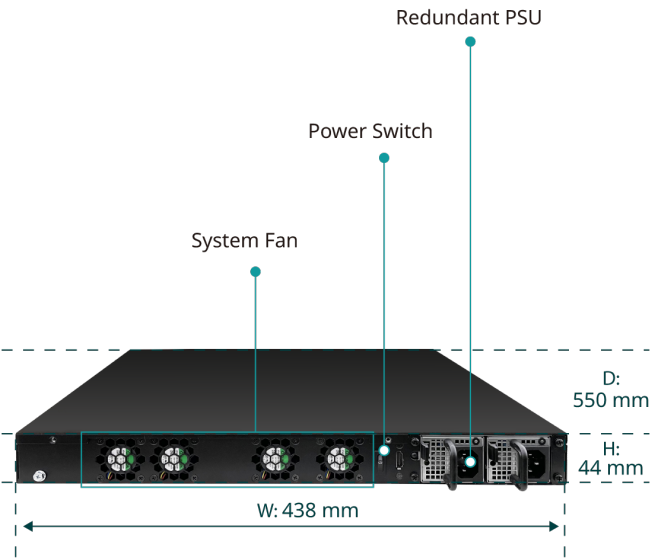
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Front I/O



Back I/O



Ordering Information

System	
SKU	Description
CAR-4080	1U, 1 x AMD Ryzen 7000, AMD B650 PCH, 4 x DDR5 ECC DIMMs, 300W Redundant PSU, 4 x NIN, 1 x EZIO

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 NICs			
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 XL710-BM1	4 x 10GbE SFP+
NIN-83041	Ethernet	Intel C625	4 x 10GbE SFP+
NIN-83042	Ethernet	Intel C626	4 x 10GbE SFP+
NIN-83120	Bypass	Intel X710-BM2	2 x 10GbE SFP+
NIN-83121	Bypass	Intel X710-BM2	2 x 10GbE SFP+
NIN-83240	Bypass	Intel XL710-BM1	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



+866-2-7727-5788

info@cas-well.com

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Headquarter & R&D Center
12F., No. 308, Jianguo 1st Road, Xinzhuang District,
New Taipei City 242047, Taiwan

Hsinchu R&D Center
5F., No. 32, Guangming 9th Rd., Zhubei City, Hsinchu County 302048, Taiwan



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