

# 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 Portwell 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

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

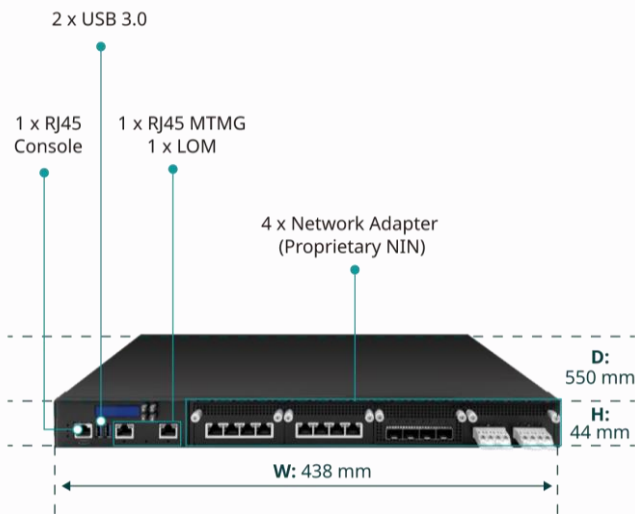
### Operations & Certifications

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

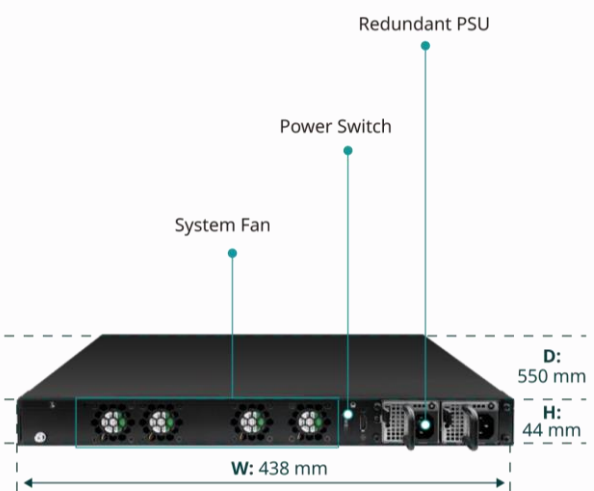
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### Front I/O



### 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