

CAR-4070

1U system based on Intel Raptor Lake/Alder Lake for Networking and Cybersecurity Solutions



1U system with up to 32 Ethernet ports to speed up networking while protecting your business from outside threats Intel Core i3/i5/i7/i9, Pentium Gold or Celeron Processor (max. 24 Hybrid Cores, up to 65W)

- Intel R680E PCH
- 2 x DDR5-5600/4800/4400/4000/3600, up to 128GB, optional ECC
- 4 x NIN Modules for up to 32x Ethernet Ports
- 1 x M.2 PCIe Gen.4 or SATA, 2 x SATA 3.0 storage
- 3 x USB 3.0, 1 x HDMI

Specifications

Platform	
Processor	1 x Intel Pentium, Core i3/i7/i9 Processor (Alder Lake-S/Raptor Lake-S)
Chipset	Intel R680E PCH (Alder Lake)
System Memory	2 x DDR5 ECC 5600/4800/4400/4000/3600 MHz UDIMM
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 PCIe Gen.4/SATA 3.0, 2 x SATA 3.0
Power Supply	450W Redundant PSU
Dimension (WxDxH)	438mm x 570mm x 44mm (17.52" x 22.8" x 1.76")
Weight (Kg)	TBD

Copyright © 2018 Huawei Technologies Co., Ltd. All rights reserved. All data is for informational purposes only and not guaranteed for legal purposes. Information has been carefully checked and is believed to be accurate; however, no responsibility is assumed for inaccuracies. Huawei and the Huawei logo and other trademarks or registered trademarks are the property of their respective owners and are recognized. Specifications are subject to change without notice.

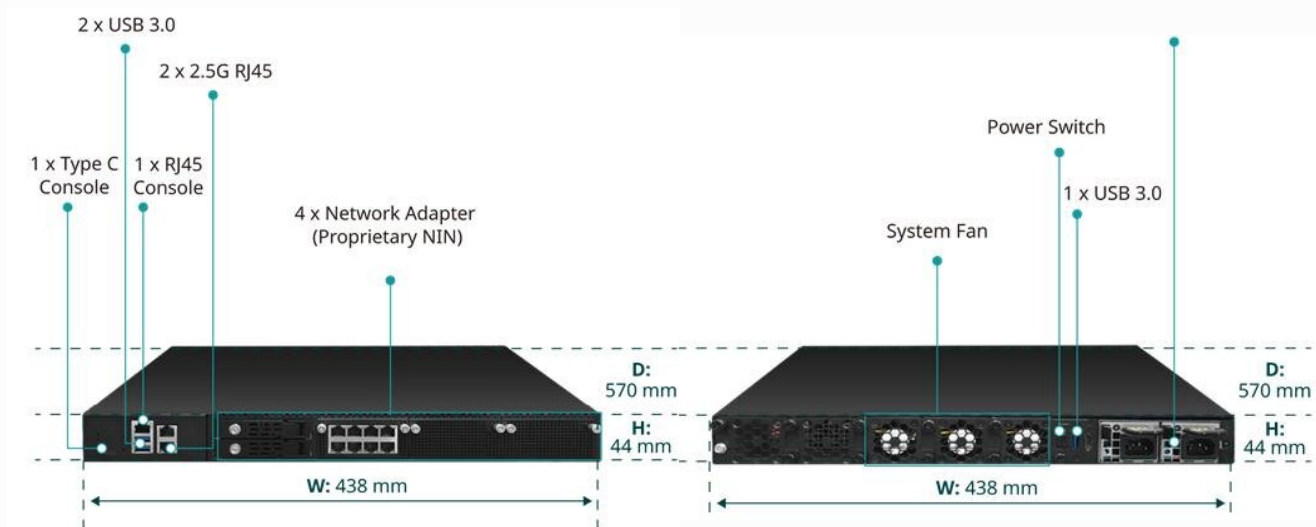
I/O	
Management Console	2 x RJ45
USB Port	3 x USB 3.0 Port(s)
Display Output	1 x HDMI Port
LCD Panel	-
LED	Power / System Status
LOM	-
Operation & Certifications	
Operating Environment	Temperature: 0 - 40°C (32 - 104°F), Humidity: 10 - 90% RH
Storage Environment	Temperature: -10 - 70°C (14 - 158°F), Humidity: 5 - 95% RH
Certification	CE / FCC
OS Support	Linux

CAR-4070

1U system based on Intel Raptor Lake/Alder Lake for Networking and Cybersecurity Solutions

Front I/O

Back I/O



Ordering Information

System	
SKU	Description

Optional CPUs			
Model	Core/Thread	Frequency (Max.)	TDP
Intel Celeron G6900E	2P/2T	3.0GHz	46W
Intel Celeron G6900TE	2P/2T	2.4GHz	35W
Intel Core i3-12100E	4P/8T	3.2GHz (4.2GHz)	60W
Intel Core i3-12100TE	4P/8T	2.1GHz (4.0GHz)	35W
Intel Core i3-13100E	4P/8T	3.3GHz (4.4GHz)	60W
Intel Core i3-13100TE	4P/8T	2.4GHz (4.1GHz)	35W
Intel Core i5-12500E	6P/12T	2.9GHz (4.5GHz)	65W
Intel Core i5-12500TE	6P/12T	1.9GHz (4.3GHz)	35W
Intel Core i5-13400E	4E+6P/16T	2.4GHz (4.6GHz)	65W
Intel Core i5-13500E	8E+6P/20T	2.4GHz (4.6GHz)	65W
Intel Core i5-13500TE	8E+6P/20T	1.3GHz (4.5GHz)	35W
Intel Core i7-12700E	4E+8P/20T	2.1GHz (4.8GHz)	65W
Intel Core i7-12700TE	4E+8P/20T	1.4GHz (4.6GHz)	35W
Intel Core i7-13700E	8E+8P/24T	1.9GHz (5.1GHz)	65W

Optional NICs			
Model	Type	Manufacturer	Number of Ports
NIN-51040	Ethernet	Intel I350 AM4	4 x 1GbE RJ45
NIN-51042	Ethernet	Intel I210AT	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-51242	Ethernet	Intel I210AT	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 Fiber (SX)
NIN-52121	Bypass	Intel I350 AM2	2 x 1GbE Fiber (LX)
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-83020	Ethernet	Intel X710-BM2	2 x 10GbE SFP+

Copyright © 2018 European Powerwall Technology B.V. All rights reserved. All data is for information purposes only and not guaranteed for legal purposes. Information has been carefully checked and is believed to be accurate, however, no responsibility is assumed for inaccuracies. Powerwall and the Powerwall logo and all other trademarks or registered trademarks are the property of their respective owners and are recognized. Specifications are subject to change without notice.