

CAR-4071

2U system based on the latest Intel Bartlett Lake CPU for Networking and Cybersecurity Solutions

Intel Core 3/5/7 CPU (max. 24 Hybrid Cores, up to 65W)
 Intel R680E PCH
 4 x DDR5-4000/3600, up to 128GB, optional ECC
 4 x CASwell NIN Modules for up to 32x Ethernet Ports
 1 x M.2 PCIe Gen.4 or SATA, 4 x SATA 3.0 storage
 Redundant 300W PSU



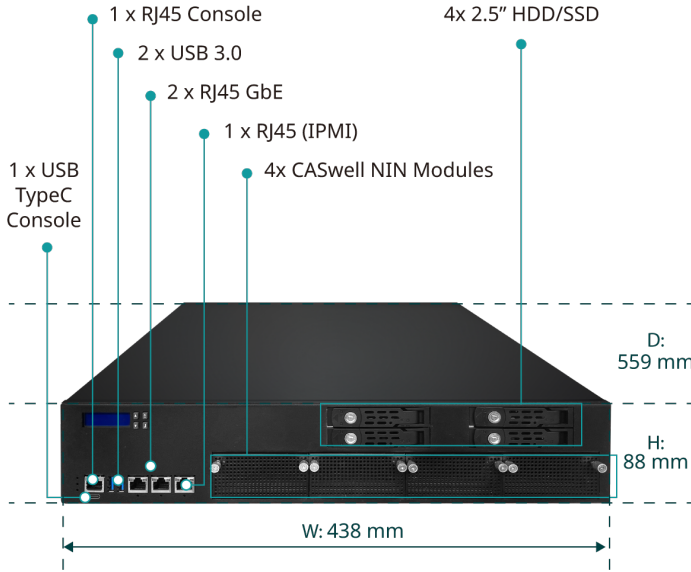
Specifications

Model Name	
Platform	
Processor	1 x Intel Core 3/5/7 Processor (Bartlett Lake)
Chipset	Intel R680E PCH (Alder Lake)
System Memory	4 x DDR5 ECC 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	Based on CASwell NIC Module or Standard add-on card
Expansion	Up to 4 x CASwell NIN Module
Storage Device	1 x M.2 PCIe Gen.4/SATA 3.0, 4 x SATA 3.0
Power Supply	300W Redundant PSU
Dimension (WxDxH)	438mm x 559mm x 88mm (17.52" x 22.36" x 3.52")
Weight (Kg)	-
I/O	
Management Console	1 x RJ45 System Console Port, 1 x USB Type-C Console Port
USB Port	2 x USB 3.0 Port(s)
Display Output	-
LCD Panel	128 x 32/64 Graphic, 2 x 16 Characters
LED	-
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

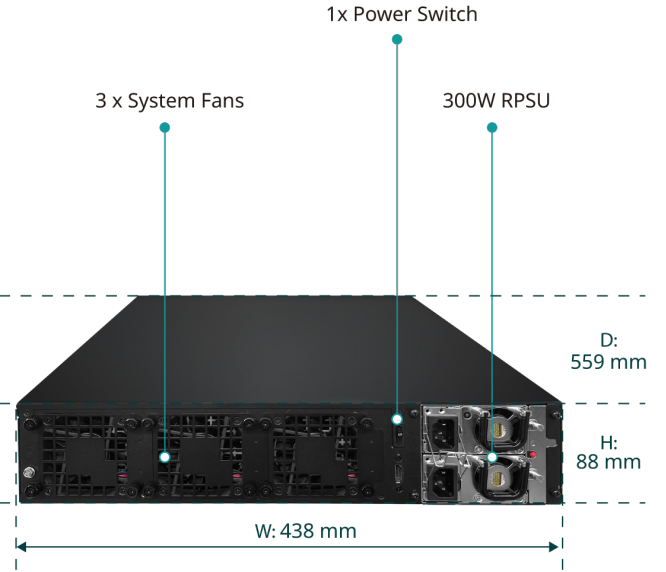
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Front I/O



Back I/O



Ordering Information

System			
SKU	Description		
Optional CPUs			
Model	Core/Thread	Frequency (Max.)	TDP
Optional NICs			
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-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+
NIN-83121	Bypass	Intel X710-BM2	2 x 10GbE SFP+



+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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