

CAR-6028

AMD EPYC High-Performance Multi-Networking Solution

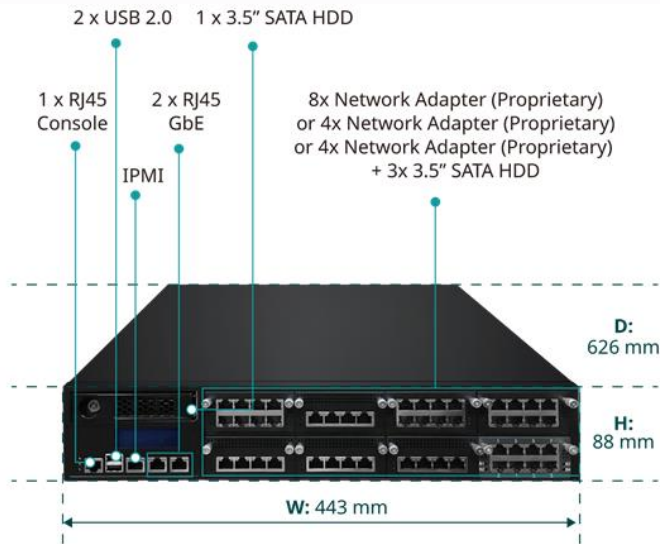


AMD EPYC Gen.3 CPU (Milan, max. 64C, up to 225W), DDR4-3200 ECC Memory (up to 8 RDIMMs). Up to 8x Network Modules (PCIe 4.0 x8 design), 1x PCIe 4.0 x16 Expansion slot for standard Low-Profile card, 2x PCIe 4.0 M.2 sockets (2280 only), Redundant Power Supply Unit (CRPS, up to 800W)

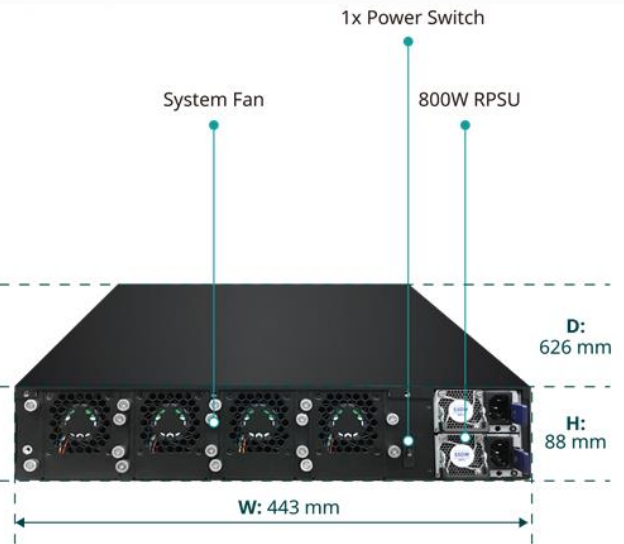
Hardware Specification

Platform	
Processor	1 x AMD EPYC Gen. 3 Processor (Milan, "Zen 3" Microarchitecture)
System Memory	8 x DDR4 ECC 3200MHz DIMMs
Ethernet Port	Up to 64 x Ethernet Port(s)
Bypass	Based on Network Module or Standard add-on card
Expansion	Up to 8 PCIe Gen4 x 8 for Network Modules, up to 1 PCIe Gen4 x 16 for Standard NIC Module
Storage Device	4x SATA 3.0 HDD or SSD, 2x PCIe 4.0 M.2 SSD, 1x SlimSAS U.2 SSD
Power Supply	800W Redundant PSU
Dimension (WxDxH)	443mm x 600mm x 88mm (17.72" x 24" x 3.52")
I/O	
Management Console	1 x RJ45 System Console Port, 1 x RJ45 GbE Port (BMC), 2 x RJ45 GbE Port (x86)
USB Port	2 x USB 3.0 Port(s)
Display Output	1 x VGA Port (Optional from LOM or VGA module)
LCD Panel	128 x 32/64 Graphic, 2 x 16 Characters
LED	Power / PSU / HDD / Ethernet
LOM	IPMI 2.0 w/ GbE Speed
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	CE / FCC
OS Support	Linux, FreeBSD

Front I/O



Back I/O



Order Information

System	SKU	Description
	CAR-6028-1	2U, 1 x AMD EPYC Gen.3, 8 x DDR4 ECC DIMMs, 800W Redundant PSU, 8 x NIP, 2 x 3.5"/2.5" HDD
	CAR-6028-2	2U, 1 x AMD EPYC Gen.3, 8 x DDR4 ECC DIMMs, 800W Redundant PSU, 4 x NIP, 4 x 3.5"/2.5" HDD, 1 x EZIO
	CAR-6028-3	2U, 1 x AMD EPYC Gen.3, 8 x DDR4 ECC DIMMs, 800W Redundant PSU, 8 x NIP, 1 x 3.5"/2.5" HDD, 1 x EZIO

Optional CPUs

Model	Core/Thread	Frequency (Max.)	TDP
AMD EPYC 7313(P)	16C/32T	2.9-3.0GHz (3.6-3.7GHz)	155W
AMD EPYC 7343	16C/32T	3.1-3.2GHz (3.8-3.9GHz)	190W
AMD EPYC 7413	24C/48T	2.55-2.65GHz (3.5-3.6GHz)	180W
AMD EPYC 7443(P)	24C/48T	2.75-2.85GHz (3.9-4.0GHz)	200W
AMD EPYC 7453	28C/56T	2.35-2.45GHz (3.5-3.6GHz)	180W
AMD EPYC 7513	32C/64T	2.5-2.6GHz (3.55-3.65GHz)	200W
AMD EPYC 7543(P)	32C/64T	2.7-2.8GHz (3.7-3.8GHz)	225W
AMD EPYC 7643	48C/96T	2.2-2.3GHz (3.5-3.6GHz)	225W

Optional Network Modules

Model	Type	Manufacturer	Number of Ports
NIN-88021	Fiber	Intel E810	2x 100GbE QSFP28
NIN-87020	Fiber	Intel XXV710	2x 25GbE SFP28
NIN-83040	Fiber	Intel XL710	4x 10GbE SFP+
NIN-83240	Fiber/Bypass	Intel XL710	4x 10GbE SR or LR
NIN-51083	Ethernet	Intel i350-AM4	8x 1GbE RJ45
NIN-51481	Bypass	Intel i350-AM4	8x 1GbE RJ45
NIN-51040	Ethernet	Intel i350-AM4	4x 1GbE RJ45
NIN-52083	Fiber	Intel i350-AM4	8x 1GbE SFP
NIN-59080	Ethernet	Intel i225-LM	8x 2.5GbE RJ45