

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 & 256 GB)
 Up to 8x CASwell Proprietary NIN Modules (PCIe 4.0 x8 design)
 1x PCIe 4.0 x16 Expansion slot for standard Low-Profile card
 2x PCIe 4.0 M.2 SSD onboard (2280 only)
 Redundant Power Supply Unit (CRPS, up to 800W)

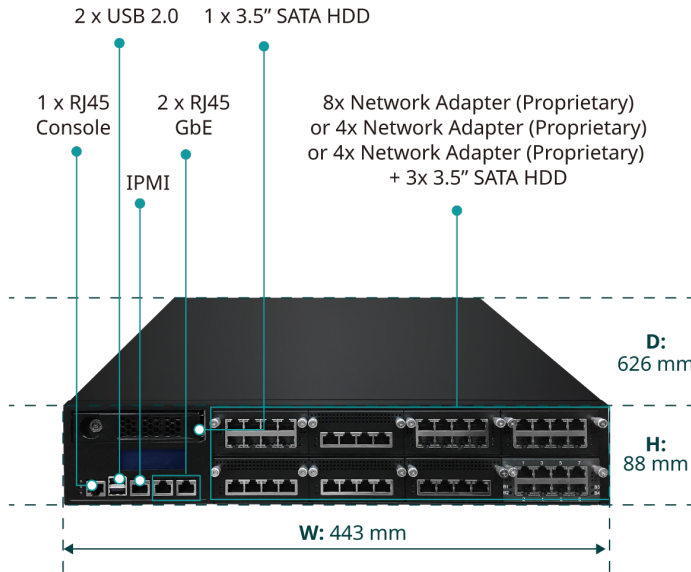
Specifications

Model Name	
Platform	
Processor	1 x AMD EPYC Gen. 3 Processor (Milan, "Zen 3" Microarchitecture)
Chipset	-
System Memory	8 x DDR4 ECC 3200MHz DIMMs
Max Memory	Up to 256GB
Ethernet Port	Up to 64 x Ethernet Port(s)
Bypass	Based on CASwell NIC Module or Standard add-on card
Expansion	Up to 8 PCIe Gen4 x 8 for CASwell NIC 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 Redundan PSU
Dimension (WxDxH)	443mm x 600mm x 88mm (17.72" x 24" x 3.52")
Weight (Kg)	-
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

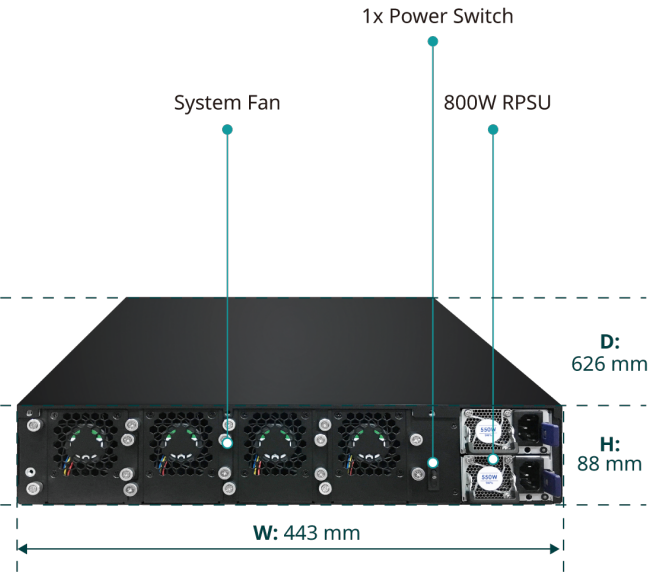
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Front I/O



Back I/O



Ordering 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 NICs			
Model	Type	Manufacturer	Number of Ports
NIP-51040	Ethernet	Intel 82580EB	4 x 1GbE RJ45
NIP-51081	Ethernet	Intel 82580EB	8 x 1GbE RJ45
NIP-51084	Ethernet	Intel i350 AM4	8 x 1GbE RJ45
NIP-51243	Bypass	Intel i350-AM4	4 x 1GbE RJ45
NIP-51481	Bypass	Intel i350-AM4	8 x 1GbE RJ45
NIP-51482	Bypass	Intel 82580EB	8 x 1GbE RJ45
NIP-52021	Ethernet	Intel i350-AM2	2 x 1GbE SFP
NIP-52040	Ethernet	Intel 82580DB	4 x 1GbE SFP



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