

CAR-6011

Intel Xeon SP Gen.2 (Cascade Lake) 1U Appliance with up to 24 Ethernet Ports & PCIe Expansion Option



- Intel Xeon 2nd Gen. Scalable Processor (Cascade Lake)
- 6x DDR4-2400/2933 ECC RDIMMs, up to 384GB
- 8x RJ45 GbE onboard, up to 24x RJ45/SFP Ethernet Ports
- 2x 2.5" SSD bays (SATA or U.2 optional)
- Internal PCIe x16 slot with optional riser card for FHHL PCIe x8 card for FPGA etc.
- Redundant PSU & System Health Monitoring (IPMI 2.0)

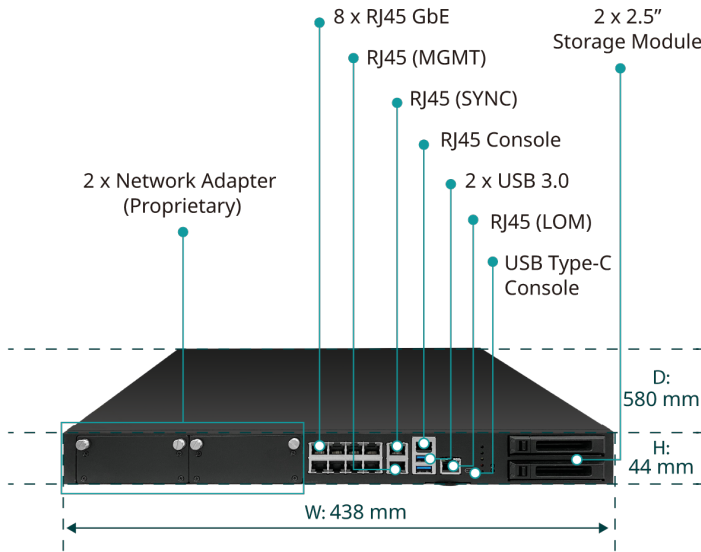
Specifications

Model Name	
Platform	
Processor	1 x Intel Xeon Scalable Gen. 2 Processor (Cascade Lake)
Chipset	Intel C621 PCH (Lewisburg)
System Memory	6 x DDR4 ECC 2400-2933MHz RDIMMs
Max Memory	Up to 384GB
Ethernet Port	8 x RJ45 GbE Port(s) on board, Up to 24 x Ethernet Port(s)
Bypass	Based on CASwell NIC Module or Standard add-on card
Expansion	Up to 1 PCIe Gen3 x 16 for CASwell NIC Module, Up to 1 PCIe Gen3 x 8 for CASwell NIC Module, Up to 1 x PCIe Gen3 x16 for U.2 adapter card or riser card for FHHL PCIe x8 card for FPGA etc.
Storage Device	2 x front 2.5" bays for SSD (SATA 3.0 or U.2), 1 x M.2 onboard
Power Supply	500W
Dimension (WxDxH)	438mm x 580mm x 44mm (17.52" x 23.2" x 1.76")
Weight (Kg)	-
I/O	
Management Console	1 x RJ45 System Console Port, 1 x USB Type-C Console Port, 1 x RJ45 GbE Port (SYNC), 1 x RJ45 GbE Port (MGMT), 1 x RJ45 GbE Port (LOM)
USB Port	2 x USB 3.0 Port(s)
Display Output	1 x VGA Port (Optional from LOM or VGA module)
LCD Panel	-
LED	Power / System Status / HDD
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 / UKCA
OS Support	Linux

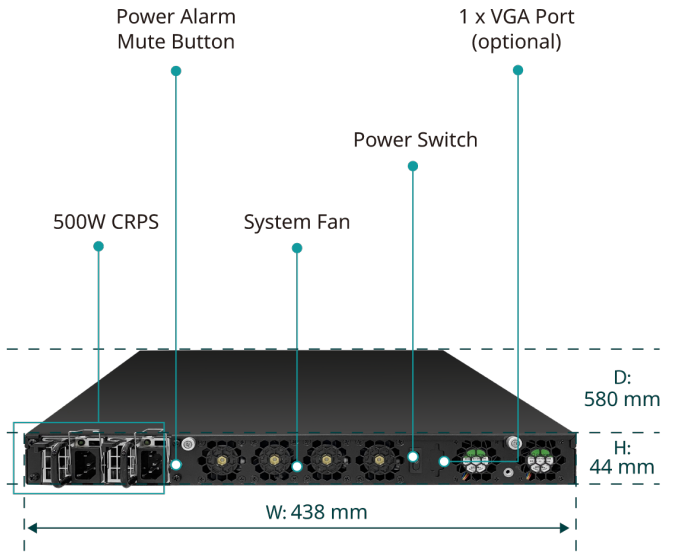
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Front I/O



Back I/O



Ordering Information

System	
SKU	Description
CAR-6011	1U, 1 x Intel Xeon Scalable Gen.2, PCH C621, 6 x DDR4 ECC RDIMMs, 8 x RJ45 GbE, 500W Redundant PSU, 2 x NIP, 2 x 2.5" SSD

Optional CPUs			
Model	Core/Thread	Frequency (Max.)	TDP
Intel Xeon Gold 5218N	16C/32T	2.30GHz (3.70GHz)	110W
Intel Xeon Gold 5220T	18C/36T	1.90GHz (3.90GHz)	105W
Intel Xeon Gold 6230N	20C/40T	2.3GHz (3.5GHz)	125W
Intel Xeon Gold 6252N	24C/48T	2.3GHz (3.6GHz)	150W
Intel Xeon Silver 4210	10C/20T	2.20GHz (3.20GHz)	85W
Intel Xeon Silver 4215	8C/16T	2.50GHz (3.50GHz)	85W

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
NIP-52041	Ethernet	Intel i350-AM4	4 x 1GbE SFP
NIP-52080	Ethernet	Intel 82580EB	8 x 1GbE SFP
NIP-52083	Ethernet	Intel i350-AM4	8 x 1GbE SFP
NIP-52120	Bypass	Intel 82580DB	2 x 1GbE SFP
NIP-52240	Bypass	Intel 82580EB	4 x 1GbE SFP
NIP-53020	Ethernet	Intel 82599ES	2 x 10GbE SFP+



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