

CAR-5060

Intel Xeon Scalable CPU Gen 3(Ice Lake) platform, support up to 8 network modules cards.



Key Features

- Dual Intel Xeon Scalable Processors (Ice Lake-SP)
- 16 x DDR4 ECC 2666MHz RDIMMs
- Up to 64 x SFP+ 10GbE Ports
- Support up 8x NIN network modules (PCIe4.0 x 8 design)
- Redundant Power Supply Unit & System Management (IPMI 2.0) Support



Overview

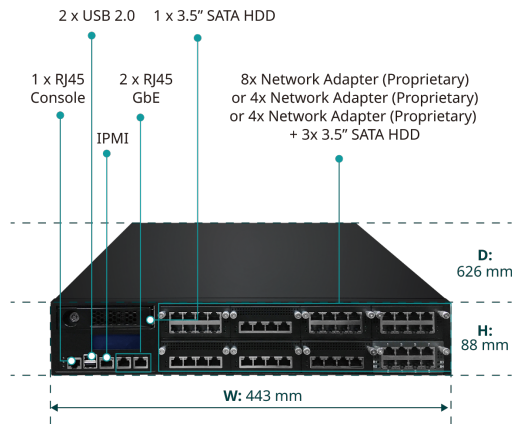
The CAR-5060, a successor of DPDK-ready flagship network computing platform and powered by dual Intel® Xeon® processor family (codenamed Ice Lake-SP) and the Intel® C621A/C627A series chipset, and 8x removable network modules. With these benefits CAR-5060 fits into ideal solutions for tasks that require optimized instructions for communications workloads and enhanced packet processing capabilities, such as high-performance network security, enterprise firewall, UTM, IPS, application delivery controller and WAN optimization.

Specifications

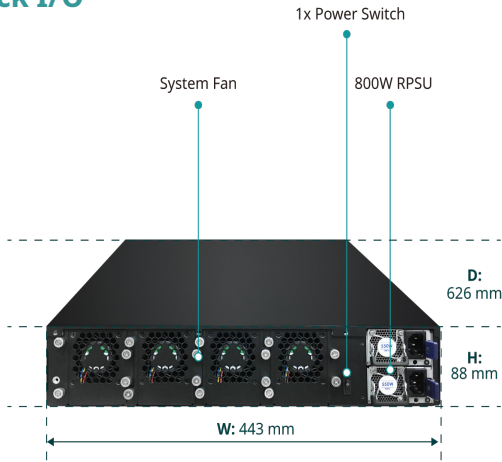
SKU	CAR-5060-1
Platform	
Processor	2 x Intel Xeon Scalable Processors Gen 3(Ice Lake-SP)
Chipset	Intel C621A/C627A PCH
System Memory	16 x DDR4 ECC 3200MHz RDIMMs
Max. Memory Capacity	Up to 512GB
Ethernet Port	Up to 64 x SFP+ 10GbE or 16x QSFP28 100GbE Ports
Bypass	Based on NIN Network Module or Standard add-on card
Expansion	Up to 8 PCIe Gen4 x 8 for NIN network module & 1 PCIe Gen4 x 16 for Standard NIC Module (internally)
Storage Device	4xSATA 2xPCIe M.2SSD, 1 xSlimSAS for U.2
Power Supply	800W CRPS Redundant PSU
Dimension (WxDxH)	System: 438mm x 600mm x 88mm, System with package: TBD
Weight (KG)	System: TBD, System with package: TBD
I/O	
Serial Port	1 x RJ-45 / System Console Port
USB Port	2 x USB 3.0 Ports
Display Output	Optional from LOM or VGA module
LCD Panel	128 x 32/64 Graphic, 2 x 16 Characters
LED	HDD / Ethernet / Customization LED
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 @ 55°C
Certification	CE/FCC
OS Support	Linux Kernel

For more information please contact us at info@portwell.eu

Front I/O



Back I/O



Ordering Information

System		
P/N	Description	Remark
CAR-5060-1	2U, 2 x Intel Xeon Scalable Gen.3, PCH C621A, 16 x DDR4 ECC DIMMs, 800W Redundant PSU, 8 x NIN, 2 x3.5"/2.5" HDD	2 x Mgmt + 1x IPMI Port Standard configuration
CAR-5060-2	2U, 2 x Intel Xeon Scalable Gen.3, PCH C621A, 16 x DDR4 ECC DIMMs, 800W Redundant PSU, 4 x NIN, 4 x3.5"/2.5" HDD, 1 x EZIO	2 x Mgmt + 1x IPMI Port Optional configuration

NIP				
P/N	Model	Bypass	Chipset	Number of Ports
TBD	NIN-51082	X	Intel I350AM4	8 x 1G Copper
TBD	NIN-51240	2 Pairs	Intel I350AM4	4 x 1G Copper
TBD	NIN-51481	4 Pairs	Intel I350AM4	8 x 1G Copper
TBD	NIN-52040	X	Intel I350AM4	4 x 1G SFP
TBD	NIN-52081	X	Intel I350AM4	8 x 1G SFP
TBD	NIN-52240	2 Pairs	Intel I350AM4	3 x 1G SFP
TBD	NIN-83020	X	Intel XL710BM2	2 x 10G SFP+
TBD	NIN-83040	X	Intel XL710BM1	4 x 10G SFP+
TBD	NIN-83240	2 Pairs	Intel XL710BM1	4 x 10G SFP+
TBD	NIN-87020	X	Intel XL710BM2	2 x 25G SFP28
TBD	NIN-86021	X	Intel XL710-BM2	2 x 40G QSFP
TBD	NIN-88010	X	Intel E810CAM1	1 x 100G QSFP28
TBM	NIN-88022	X	Intel E810CAM2	2 x 100G QSFP28
TBD	NIN-83041	X	Intel C625 (QAT)	4 x 10G SFP+
TBD	NIN-83042	X	Intel C626 (QAT)	4 x 10G SFP+

Optional CPUs				
Model	Core/Threads	Frequency	Cache	TDP
Intel Xeon Gold 6338N	32C/64T	2.2/3.5 GHz	48MB	185W
Intel Xeon Gold 6330N	28C/56T	2.2/3.4 GHz	42MB	165W
Intel Xeon Gold 5318Y	24C/48T	2.1/3.4 GHz	36MB	165W
Intel Xeon Gold 5315Y	8C/16T	3.2/3.6 GHz	12MB	140W
Intel Xeon Gold 5320T	20C/40T	2.3/3.5 GHz	30MB	150W
Intel Xeon Gold 6312U	24C/48T	2.4/3.6 GHz	36MB	185W
Intel Xeon Gold 6326	16C/32T	2.9/3.5GHz	24MB	185W
Intel Xeon Silver 4316	20C/40T	2.3/3.4GHz	30MB	150W
Intel Xeon Silver 4314	16C/32T	2.4/3.4GHz	24MB	135W
Intel Xeon Silver 4310	12C/24T	2.1/3.3GHz	18MB	120W
Intel Xeon Silver 4310T	10C/20T	2.3/3.4GHz	15MB	105W
Intel Xeon Gold 5317	12C/24T	3.0/3.6GHz	18MB	150W

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