CAR-5020

Crystal Forest platform, Support up to 24 GbE ports

Features

- Support Sandy Bridge-EP & Ivy Bridge-EP processor
- Up to 16 cores, 40MB cache, 2QPI
- Three CASwell Ethernet modules, four PCIe(x8) standard expansion slot
- GbE speed IPMI 2.0 module

| DDR 3 | SATA | USB 2.0 | Giga LAN 10G | Watch DOG | H/W Monito | GPIO |

CASwell, Inc. a global-leading innovator and supplier of embedded networking appliances today announced **CAR-5020**, a highly functional and modular 2U rack-mount communication appliance that offers a comprehensive solution for customers In the Communications & Infrastructure market.

CAR-5020, based on the Intel platform for communications infrastructure - formerly codenamed "Crystal Forest," supports dual Intel® Xeon® processors E5-2600 series with up to 16 cores, Level 3 Cache (20MB) and 2 QPI links. The platform supports dual-channel DDR3 1333/1066 UDIMM/ RDIMM memory with maximum capacity up to 128GB. Intel® QuickAssist Technology, supported by Intel® Communications Chipset 89xx Series on the platform, not only provides Encrypt/Decrypt functions but also offloads workload acceleration from the processor. In fact, it is precisely the Intel QuickAssist capabilities (support for security up to 20Gbps Bulk Encrypt/Decrypt, Bulk: AES, 3DES, (A)RC4, Hash: MD5, SHA-1/2, HMAC, Wireless: Kasumi and SNOW 3G, Public Key-RSA, DSA, DH Internal TRNG + pCRC) combined with the processor offload for workload acceleration that makes the CAR-5200 platform compelling for the Communications & Infrastructure market. The three swappable NIC module card slots on the appliance offers a wide range of choices to our customers to accommodate, for example, 4/8GbE copper or 2/4/8Gb Efiber with 0/1/2 bypass segment; expandable with 2 ports 10GbE (RJ45/ SFP+) with or without bypass. In addition, there are four expansion slots--two PCI-E x8 Gen2 slots and two PCI-Ex8 Gen1 slots to satisfy various customer demands. The CAR-5020 appliance implements both IPMI 2.0 and Power Management Bus I/O on-board, providing stronger monitoring and management capabilities.

CASwell's **CAR-5020** 2U rack mount Communication Appliance is perfectly positioned for network security applications such as firewall, VPN, IDS/IPS, anti-spam, anti-virus and UTM, and network management applications such as routers, RAS gateways, QoS, server load-balance, wireless controllers, medical DICOM and PACS, and industrial automation control via Ethernet TCP/IP.

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For more information about CAR-5020, please visit CASwell website: http://www.cas-well.com Or contact by phone: +886-2-7705-8888

CAR-5020

SPECIFICATION

Platform	Processor Options	Dual Intel Xeon E5-2600 series socket R type CPU 115W
	Chipset	Cave Creek DH8920CC
System Memory	Technology	DDR3 RDIMM/ UDIMM/ ECC
	Max Capacity	128GB
	Socket	16x240P DIMM
Storage	HDD Trays	4 x 3.5" SATA (on board) project base
	CompactFlash	1 x CompactFlash
Networking	Ethernet Ports	Base on Ethernet module (up to 46 ports)
	Bypass	Depend on Ethernet module
Expansion	PCIe	(4) x PCIex8 Standard NIC
I/O Interface	Console	1 x RJ45
	IPMI	1 x RJ45
	Management Port	2 x RJ45 (82574L)
	USB	2 x USB 2.0
	On/ Off or Reset button	Setting by jumper
	LCD	Character 2x16 or Graphic 128x32/64
	VGA	Base on IPMI module
Physical Dimension	Dimension (WxDxH)	438(W) x 562(D) x 88(H) mm
	Weight	SKU/Configuration independent
Power	Type/ Watts	2U mini Redundant PSU (450W/ 600W)