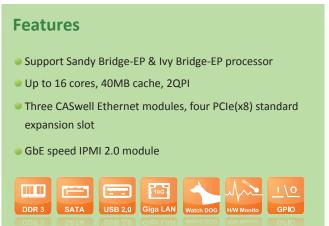
## **CAR-5020**

## Crystal Forest platform, Support up to 24 GbE ports





**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.

**CAR-5020** 2U 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.

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)
I/O Interface	USB	2 x USB 2.0
I/O Interface	USB On/ Off or Reset button	· · · · · · · · · · · · · · · · · · ·
I/O Interface		2 x USB 2.0
I/O Interface	On/ Off or Reset button	2 x USB 2.0 Setting by jumper
	On/ Off or Reset button LCD	2 x USB 2.0  Setting by jumper  Character 2x16 or Graphic 128x32/64
I/O Interface  Physical Dimension	On/ Off or Reset button LCD VGA	2 x USB 2.0  Setting by jumper  Character 2x16 or Graphic 128x32/64  Base on IPMI module