CAR-5020

High Performance 2U Rackmount Network Security System
Based On Intel New Generation Processor Platform—Crystal Forest-EP

FEATURE

- Support Sandy Bridge-EP & Ivy Bridge-EP processor
- Up to 16 cores, 40MB cache, 2QPI
- Five CASwell Ethernet modules, one PCIe(x4) and three PCIe(x8) standard expansion slot
- GbE speed IPMI 2.0 module
- Intel quick assist technology

DDR 3	SATA3/SAS	USB 2.0	10G LAN	Watch DOG	H/W Monitor	GPIO	LOM

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.

SPECIFICATION

CPU Board	- Dual Intel® Xeon E5-2600 series socket R type CPU - Intel® Cave Creek
System Memory	- DDR3 RDIMM/ UDIMM/ ECC (16x240P DIMM) - Supports DDR3 up to 128 GB
Ethernet Port	Base on Portwell Ethernet module (up to 50 ports)
Bypass feature	Depend on Portwell Ethernet module
Expansion	PCIe (1) x PCIex4 & (3) x PCIex8 Standard NIC
Storage Device	- 4 x 3.5" SATA (on board) - CF socket on-board (Compatible with CF SATA)
I/O Interface	- Console 1 x RJ45 - IPMI 1 x RJ45 - Management Port 2 x RJ45 (82574L) - USB 2 x USB - On/ Or Reset by jumper - LCD Character 2x16 or Graphic 128x32/64 - VGA Depend on IPMI module
Power	2U mini Redundant PSU (450W/600W)
Dimension	- 438(W) x 562(D) x 88(H) mm
Operating Environment	- Temperature: 0 to 40°C (32 to 104°F) - Humidity 20% to 90%RH
Storage Environment	- Temperature: -10 to 70°C (14 to 158°F) - Humidity 5% to 95%RH @ 55°C
Certification	CE/FCC/UL

Intel Cave Creek chip supports Intel new Quick Assist Technology.

This new technology not only provides Encrypt & Decrypt function, but also off load processor loading.

Portwell Ethernet module supply wide range choice for client, e.g. 4/ 8GbE copper or 2/ 4/ 8GbE fiber with 0/ 1/ 2 bypass segment, also expandable with 2 ports 10GbE (RJ45 or SFP+) with or without bypass .

Moreover, there are four standard PCIe(x8) expansion slots, which could satisfy all customers various demand.