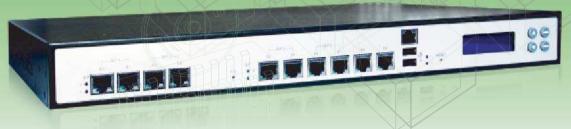# CAR-3020

Sandy Bridge (Cave Creek),Support up to 14 GbE ports, Intel® Quick Assist Technology.

Solutions

Caswell's CAR-3020 1U rackmount communication/network security appliance is based on the Intel® Crystal Forest-Gladden platform supporting Intel Communications Chipset 89xx Series (codenamed Cave Creek), and pin-to-pin compatible quad-core Intel Xeon®, dual-core Intel Core™ and Intel Pentium® and single-core Intel Celeron® Processors (codenamed Sandy Bridge-Gladden). It also features Intel QuickAssist Technology providing security encryption/decryption up to 20Gbps for AES, DES, 3DES, RC4; Hash: SHA-1, MD5; and SHA-2 (SHA-224, SHA-256, SHA-384, SHA-512).

In addition, the CAR-3020 supports six 10/100/1000Mbps Ethernet ports, two bypass interfaces, one PCIe x8 golden finger for Caswell NIP card series, and two DDR3 Error Correction Codes memory sockets, up to 16GB.

Caswell's CAR-3020 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 WAN optimization, routers, RAS gateways, QoS, server load-balancer, wireless controllers, and industrial automation control via Ethernet TCP/IP.
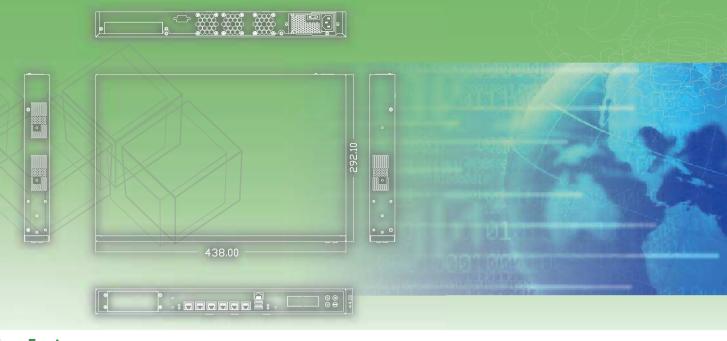
The CAR-3020 1U rackmount communication/network security appliance is offered with server-grade performance at entry-level price.

◀ Back

Full-range 250W ATX PSU   **Expansion slot**

Ordering Guide

Model	Part Number	Description
CAR-3020	AI2-5069	(R)CAR-3020-000.CAPB-3020NR-4621-000. SandyBridgeGladden.Cavecreek.6C w/ 2 Gen2BP.I347.82574L.2USB.RJ45console

Key Features

◦ Built with Sandy Bridgy Gladden processor and Cave Creek PCH
◦ Supports Six 10/100/1000Mbps Ethernet ports
◦ Supports Two bypass feature
◦ Supports One PCIe x8 golden finger that compatable Caswell NIP series
◦ Supports Two DDR3 ECC memory socket, support up to 16GB

DDR 3   SATA 2.0   USB 2.0   Watch DOG   H/W Monitor   GPIO

Hardware specification

CPU Board	Sandy Bridge Gladden Quad Core E3-1125C/ Dual Core i3-2115C/ Single Core 725C with Intel Cave Creek PCH
System Memory	Two DDR3 1066/1333 Long-DIMMs, up to 16GB
Ethernet Port	6 GbE RJ45 ports
Storage Device	Optional one 3.5" or two 2.5" SATA HDD CF socket on-board
Serial Port	One front-access RJ45 for system console One 2x5 pin-header for EZIO
LCD Panel	2x16 Characters 128x32 Graphic
USB	Dual USB 2.0
Power	250W 80Plus ATX
Dimension	438(W) x 292.1(D) x 44(H) mm 17.25"(W) x 11.5"(D) x 1.73"(H)
Operating Environment	Temperature: 0 to 40℃ (32 to 104℉) Humidity 20% to 90%RH @ 55℃
Storage Environment	Temperature: -10 to 70℃ (14 to 158℉) Humidity 5% to 95%RH @ 55℃
Certification	CE/FCC/UL

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