

Network Security & Management

CAR-4040

Intel Coffee Lake Platform, Support up to 32 GbE Ports



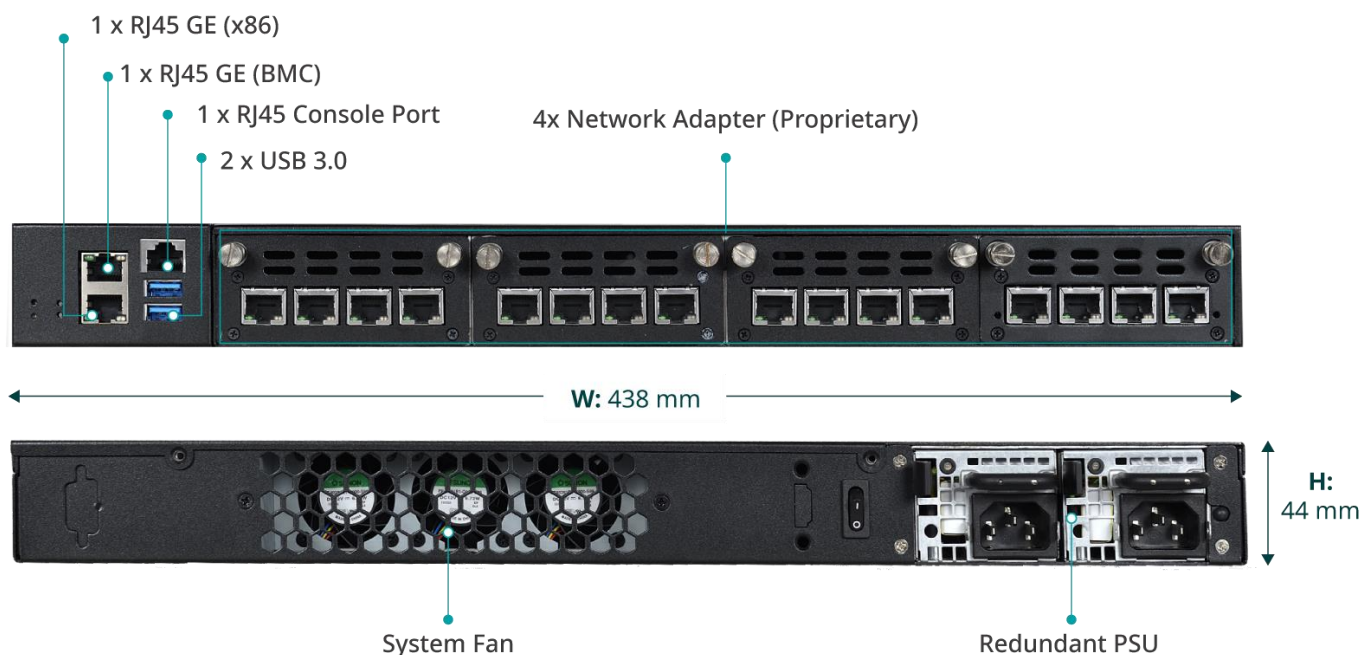
Key Features

- Intel Coffee Lake platform
- 4 x DDR4 ECC RDIMMs up to 2333MHz
- Up to 4 front-access CASwell NIC module supported
- RPSU, N+1 Fans solution, IPMI System thermal integrate solution.

High-End Hardware for Advanced and Demanding Networking



CASwell has launched its new CAR-4040 network appliance to handle the most demanding and advanced network tasks including the rising SD-WAN. This device supports the latest Intel Coffee Lake processors with up to six CPU cores. It's a flexible solution for every customer requirement and can be equipped with an Intel Xeon E3 v5 processor but Core i7/i5/i3 and even Pentium and Celeron of Intel's 8th Core Generation are also available. The CAR-4040 supports four DDR4-2666 ECC DRAM modules with a memory capacity of up to 64 GByte overall to handle many simultaneous tasks. Four CASwell proprietary network interface cards (NIC) using PCI Express 3.0 (x8 lanes) support up to 32 10-Gbit-Ethernet ports for highly parallel networking. Four SATA/SAS 3.5" hard drives and one M.2 SATA SSD can be installed for both fast and extensive storage.



Hardware Specification

Platform	
Processor	Intel Xeon, Corei7/i5/i3 Processor (Coffee Lake)
Chipset	Intel C246 PCH (Coffee Lake)
System Memory	4 x DDR4 ECC 2666MHz DIMMs
Ethernet Port	Up to 32 x RJ45/SFP GbE Ports
Bypass	Based on CASwell NIC Module or Standard add-on card
Expansion	Up to 4 PCIe Gen3 x 8 for CASwell NIC Module
Storage Device	2 x 2.5" SATA/SAS HDDs 1 x M.2 Socket
Power Supply	300W Redundant PSU
Dimension (WxDxH)	438mm x 553mm x 44mm (17.24" x 21.77" x 1.73")
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	PSU / LAN / Power / HDD / Ethernet
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/UL
OS Support	Linux Kernel