

Edge Computing & Fog Computing

CAR-3080

SDN/NFV Solutions Platform

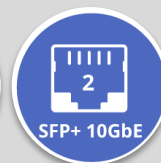
Support up to 32 GbE Ports



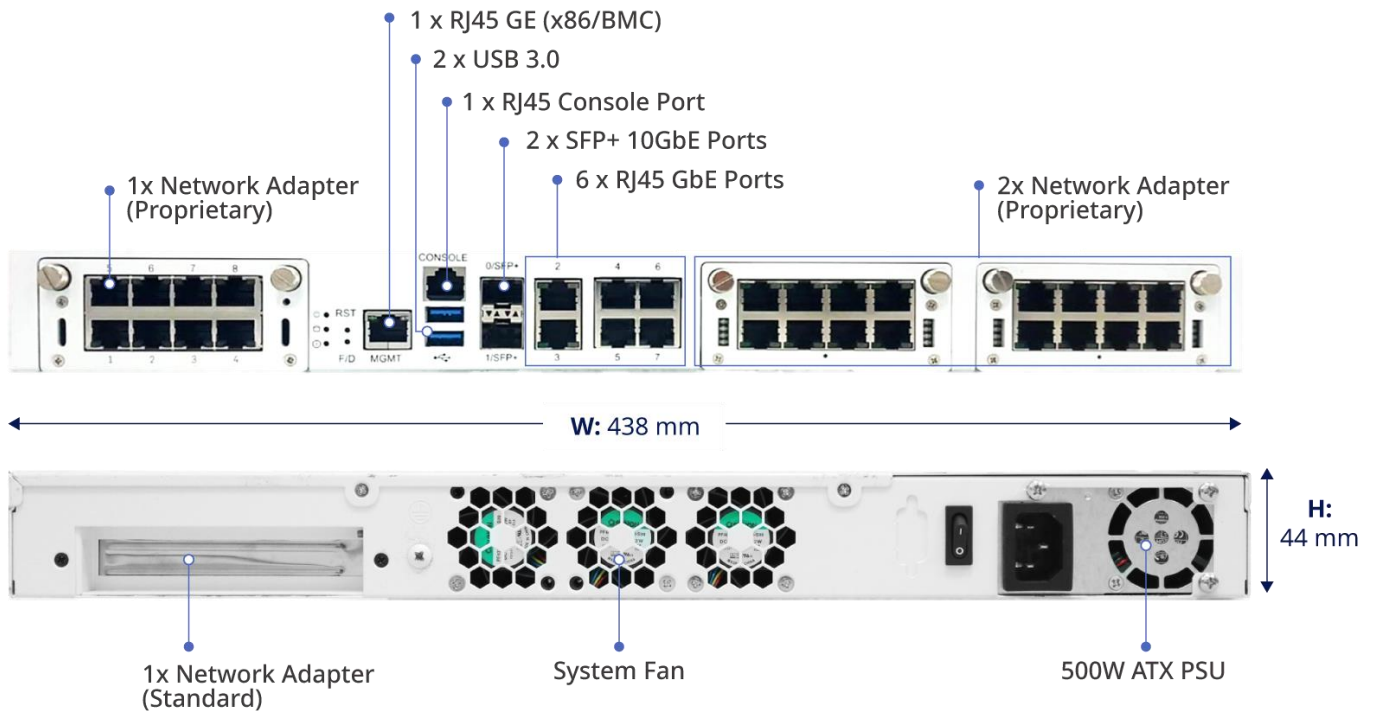
Key Features

- Intel Xeon D-2100 Processor (Skylake-D, Max. 16C)
- Intel QAT Support (Crypto Acceleration)
- DDR4 2666 MHz RDIMM (4 Slots, Max. 128GB)
- 3x CASwell Proprietary NICs
- 1x Standard NIC (PCIe 3.0 x16)
- 2x 10GE SFP+ Ports (SR-IOV Support)
- 6x GE RJ45 Ports (SR-IOV Support)
- 3x CASwell Proprietary NICs
- System Health Monitoring (IPMI 2.0)

1U Rackmount White Box Based on Intel Xeon Skylake Platform



The CASwell CAR-3080 by default comes with six Gigabit-Ethernet (GbE) ports and two SFP+ ports for 10-Gbit-Ethernet but can be enhanced almost endlessly with a standard NIC connected by PCI Express x16 and the three patented NIPs that use PCIe x4/x8 for data transfer. Each NIP and the NIC can offer up to eight Gigabit-Ethernet ports of their own but are also available in different configurations with 10-GbE, 25-GbE or even 40-GbE ports. Optional bypass switches ensure that the network keeps running even during maintenance or in case of power outages.



Hardware Specification

Platform	
Processor	Intel Xeon D-2100 Processor (Skylake-D)
System Memory	4 x DDR4 ECC 2133MHz RDIMMs, up to 128GB
Ethernet Port	6 x RJ45 GbE and 2 x SFP+ 10GbE on board
Bypass	Based on CASwell NIC Module or Standard add-on card
Expansion	Up to 2 PCIe Gen3 x8 for CASwell NIC Module Up to 1 PCIe Gen3 x4,4 for CASwell NIC Module Up to 1 PCIe Gen 3x16 for Standard NIC Module
Storage Device	2 x 2.5" SATA HDDs 1 x M.2 Socket for SSD 2280 (SATA)
Power Supply	300W Redundant PSU, 500W Single PSU
Dimension (WxDxH)	438mm x 448mm x 44mm
I/O	
Serial Port	1 x RJ-45 System Console Port
USB Port	2 x USB 3.0 Ports
Display Output	1 x VGA Port (Optional from LOM or VGA module)
LED	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
OS Support	Linux Kernel