Network Security & Management

CAR-2070

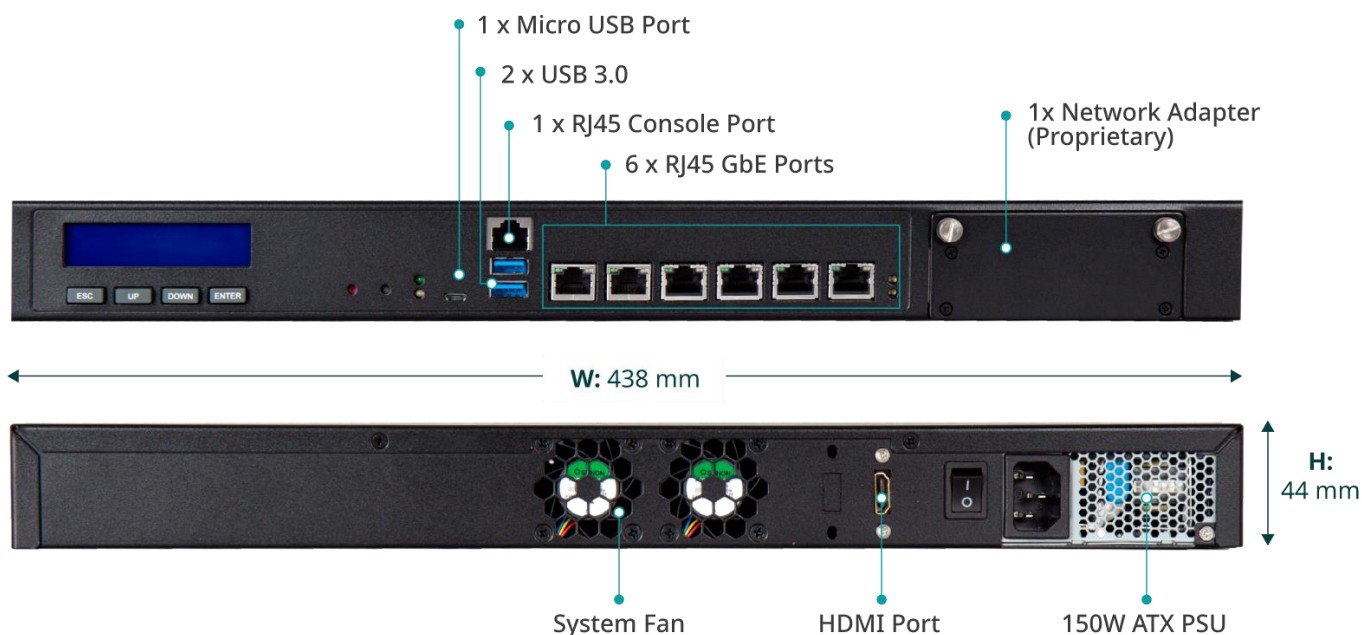## Intel Skylake S 1U Appliance,

Support up to 14 GbE Ports

Key Features

- Intel 14nm Skylake-S Desktop Processor
- 2 x DDR4 2133MHz UDIMMs up to 32GB
- 1 x front-access CASwell NIC Module supported
- Micro USB console port supported

Cloud Computing Applications
6th Generation Intel Core Processor

intel SKYLAKE   DDR4   Bypass   GbE RJ45 6

CAR-2070, the latest network communication security platform from CASwell Inc., is a 1U rackmount system featuring 14nm microarchitecture, the 6th generation Intel® Core™ processor (codenamed Skylake-S) and Intel® H110 chipset. The CAR-2070 features two DDR4 DIMMs, up to 2133MHz memory; flexible user interface; on board six ports with 2 segments bypass function and up to 14 RJ45/SFP/10GbE RJ45/SFP+/QSFP+ ports by one swappable CASwell NIC module. The CASwell CAR-2070 is implemented with front I/O flexibility and a multi-function design concept. Customers can select various combinations of 2.5˝ HDD/SSD, copper/fiber media, GbE/10GbE/40GbE and third-party hardware acceleration smart module and one character LCD display module with function buttons. CASwell's CAR-2070 system platform is targeted at software defined networking (SDN) and network function virtualization (NFV) applications, as well as traditional network security applications, such as firewall, VPN, IDS/IPS, anti-spam, anti-virus, UTM and WAN, and network management applications such as Virtualized Data Center, ADC, QoS, server load balancer, wireless controller, and industrial automation control via Ethernet TCP/IP.

1 x Micro USB Port

2 x USB 3.0

1 x RJ45 Console Port

6 x RJ45 GbE Ports

1x Network Adapter (Proprietary)

W: 438 mm

H: 44 mm

System Fan

HDMI Port

150W ATX PSU

Hardware Specification

Platform	
Processor	Intel Xeon E3 v5, Corei7/i5/i3, Pentium, Celeron Processor (Skylake)
Chipset	Intel H110 PCH
System Memory	2 x DDR4 2133MHz UDIMMs, up to 32GB
Ethernet Port	6 x RJ45 GbE on board Up to 14 x RJ45/SFP GbE Ports
Bypass	2 segments on board
Expansion	Up to 1 PCIe Gen3 x 8 for CASwell NIC Module
Storage Device	1 x 3.5'' or 2 x 2.5" SATA/SAS HDDs 1 x CF Socket 1 x SATA DOM
Power Supply	150W PSU
Dimension (WxDxH)	438mm x 300mm x 44mm (17.13'' x 11.81'' x 1.73'')
I/O	
Serial Port	1 x RJ-45 / Micro USB System Console Port
USB Port	2 x USB 3.0 Ports
Display Output	1 x HDMI Port (Optional)
LCD Panel	128 x 32/64 Graphic, 2 x 16 Characters
LED	Power / Bypass / HDD / Ethernet
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