

Network Security & Management

CAR-5050

Intel® Purley Skylake-SP
Platform, Support up to
48 SFP+ Fiber Port



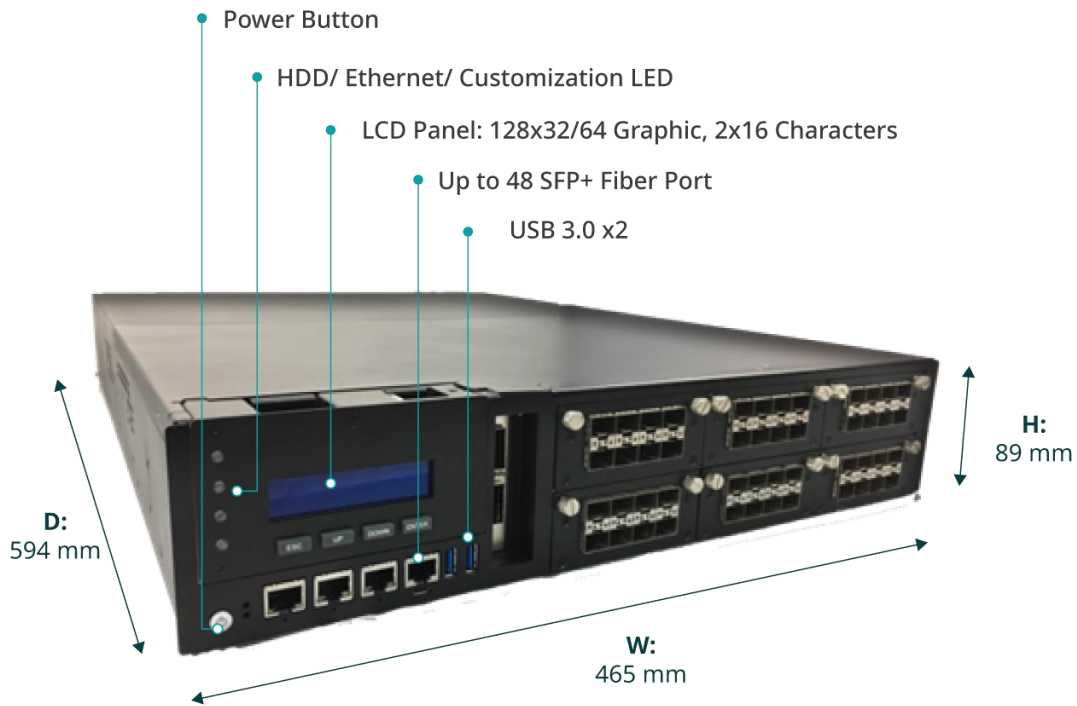
Key Features

- Intel Purley Skylake-SP platform
- 16x DDR4 ECC RDIMMs up to 2666MHz
- On-board Ethernet Ports and Network Module Expansion
- Support up 6x Proprietary NIC Modules (PCIe3.0 x 16 design)
- Redundant Power Supply Unit (CRPS)
- System Management (IPMI 2.0) Support
- Built-in System Health Monitoring

High Availability Network Appliance for High-End Server-Grade Network



The CAR-5050, a successor of the DPDK-ready flagship network computing platform and powered by dual Intel® Xeon® processor family (codenamed Skylake-SP) and the Intel® C620 series chipset (codenamed Lewisburg), featuring with 14nm architecture, DDR4 Apache Pass support and built-in FPGA design. The new generation of Intel® Skylake-SP processors greatly improved hardware performance, bandwidth, CPU and power efficiency, with these benefits CAR-5050 fits into ideal solutions for tasks that require optimized instructions for communications workloads and enhanced packet processing capabilities, such as high-performance network security, enterprise firewall, UTM, IPS, application delivery controller and WAN optimization.



Hardware Specification

Platform	
Processor	Intel Xeon Scalable Processor (Purley)
Chipset	Intel C621 PCH (Lewisburg)
System Memory	16 x DDR4 ECC 2666MHz RDIMMs
Ethernet Port	48 x SFP+ 10GbE Ports
Bypass	Based on CASwell NIC Module or Standard add-on card
Expansion	Up to 5 PCIe Gen3 x 16 for NIC Module Up to 1 PCIe Gen3 x 8 for NIC Module Up to 1 PCIe Gen3 x 8 for NIC Module
Storage Device	2 x 3.5" or 2.5" Swappable SATA/SAS HDDs 1 x CF Socket 1 x M.2 SSD 2280 (PCIe)
Power Supply	800W CRPS Redundant PSU
Dimension (WxDxH)	465mm x 594mm x 89mm (18.31" x 21.02" x 3.5")
I/O	
Serial Port	1 x RJ-45 / Micro USB 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	HDD / Ethernet / Customization LED
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

