

Programmable Server Switch

# CAR-5056

Dual Intel® Cascade Lake  
Intel Tofino Switch  
4x Intel Stratix 10 FPGA



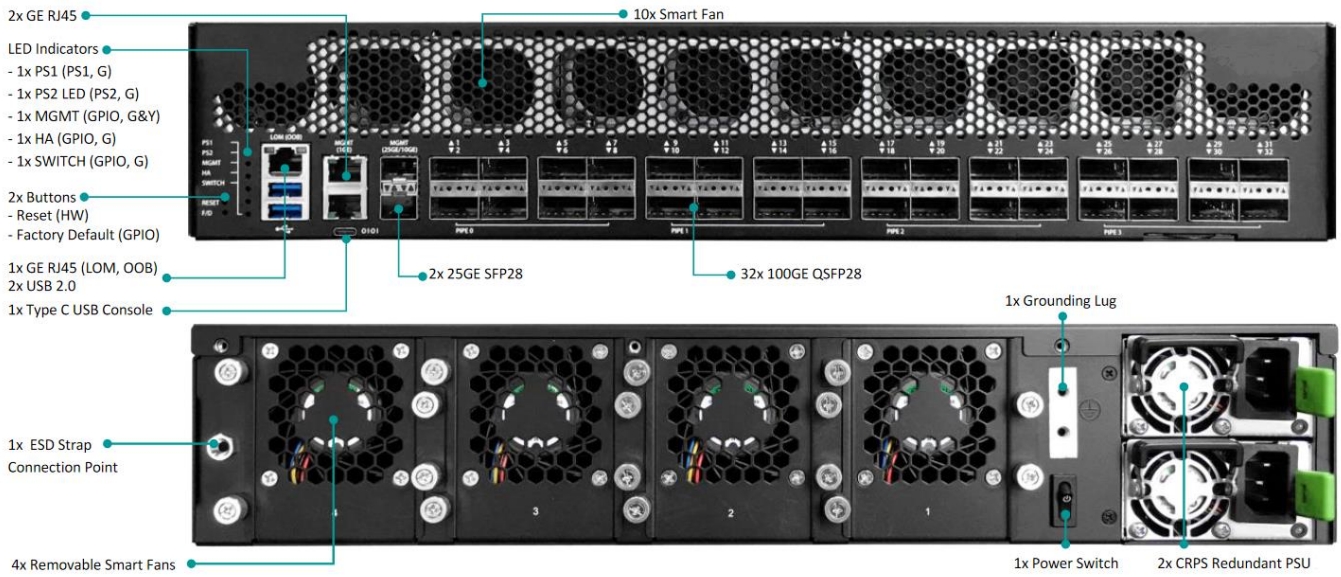
## Key Features

- Intel Xeon Scalable Processors – Cascade Lake
- Tofino Switch
- 4x Stratix 10 FPGA's
- 20x DDR4 ECC RDIMMs up to 2666MHz
- 8x ECC SO-DIMM up to 2400MHz on FPGA
- 32 port of 100GbE QSFP28 + 2 ports of 25GbE SFP28 + 2 ports GbE RJ45
- Redundant Power Supply Unit (CRPS)
- System Management (IPMI 2.0) Support

## Flexible High-End Platform



CAR-5056 based on two 2nd Gen. Intel Xeon Scalable processors is a top-of-the-line programmable server switch for load balancing, network gateway and other typical applications by cloud and communication service providers or data centers. This high-end dual Intel Xeon system uses a programmable Barefoot Tofino ethernet switch that can be amplified by Intel four Stratix 10 FPGA modules, to raise performance and functionality levels even higher.



## Hardware Specification

Platform	
Processor	Intel Xeon Scalable Processor (2 <sup>nd</sup> Gen) Cascade Lake
Chipset	Intel C621 PCH (Lewisburg)
System Memory	20 x DDR4 ECC 2666MHz RDIMMs
FPGA Memory	8 x DDR4 ECC 2400MHz SO-DIMMs
Ethernet Port	32 port of 100GbE QSFP28 2 ports of 25GbE SFP28 2 ports GbE RJ45
Bypass	N/A
Storage Device	2 x SATAIII
Power Supply	1200W CRPS Redundant PSU
Dimension (WxDxH)	438mm x 721mm x 88mm
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 Humidity: 20 - 90% RH
Storage Environment	Temperature: -10 - 70°C Humidity: 5 - 95% RH @ 55°C
Certification	CE/FCC
OS Support	Linux Kernel