

Server Switch

CAR-5056

Intel Purley Platform,
Support up to 3.2 TB



Key Features

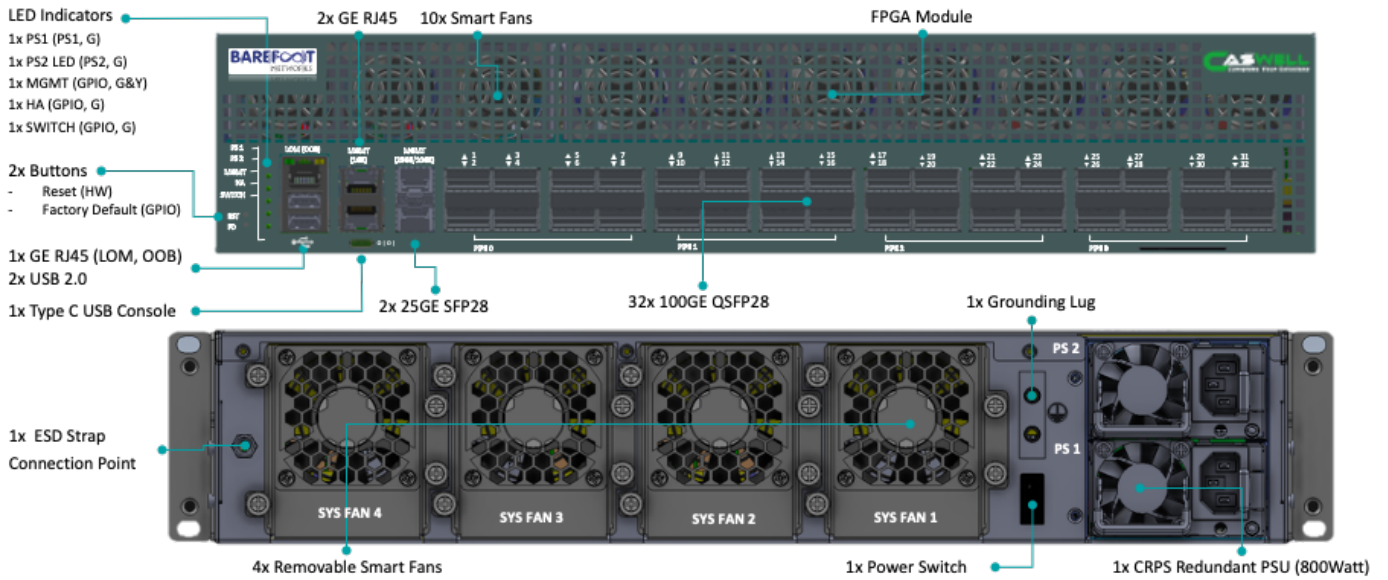
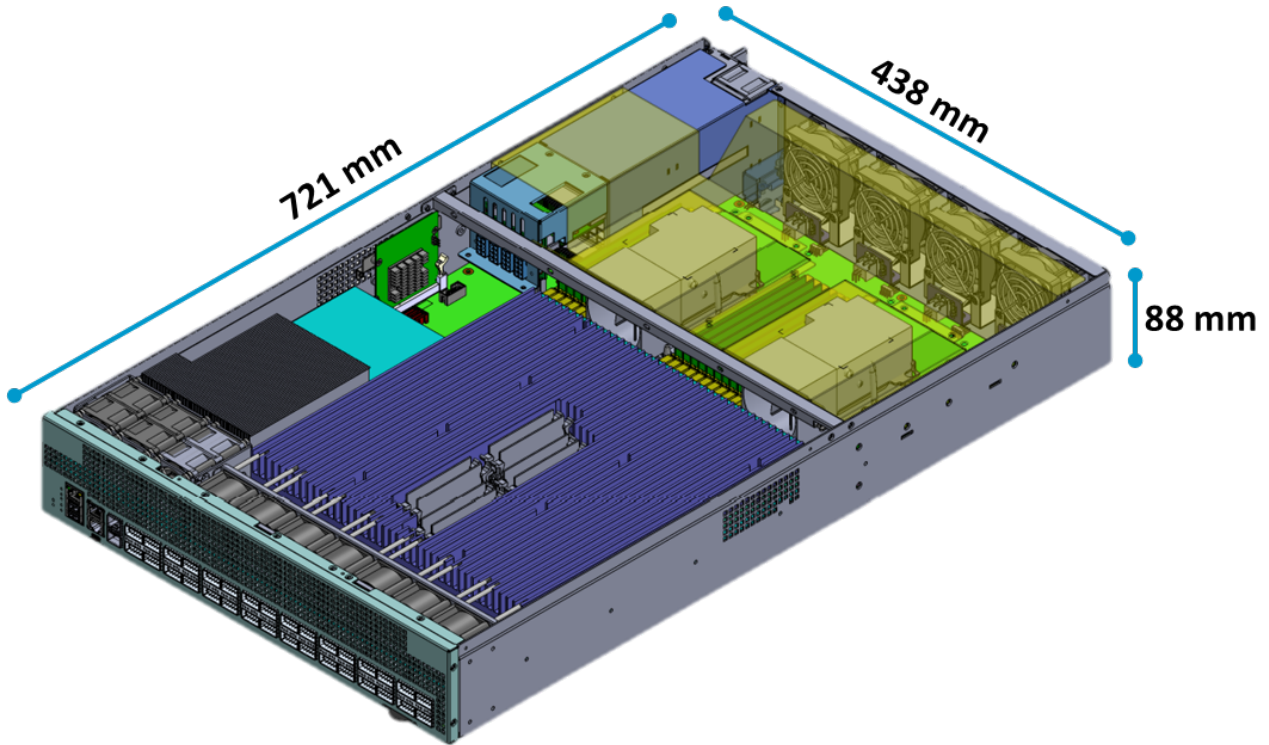
- Intel Purley platform
- 20x DDR4 ECC RDIMMs up to 2666MHz
- High bandwidth supported by Tofino
- Intel Stratix 10 (FPGA) solution
- CRPS, Smart LEDs, N+1 Fans solution, IPMI, System thermal integrate solution.



Product Specification

Physical Characteristics	
Form Factor	2U Rackmount
Housing	Metal
Thermal/Cooling Solution	Front to Rear Air-Flow Design
Chassis Color	Pantone Black C
Grounding Lug	Yes
System Panel (Bezel / Silk Printing)	Silk Printing
Package/Carton	2 ~ 3 Colour Package (Pallet Design: TBC)
Dimension (W x D x H)	System: 721mm x 438mm x 88mm System with Package: 960mm x 650mm x 270mm
Weight (KG)	System: 30 KG System with Package: 33 KG
Installation	Slide Rail Kit
Dust and Waterproof	IP20
Product Logo	2x Locations at Front Panel
Operation & Certifications	
Operating Environment	0°C to 40°C (32°F to 104°F)
Storage Environment	-40° C to 70° C (-40° F to 158° F)
Ambient Relative Humidity	5 - 95% RH (Non-Condensing)
Certification	CE, FCC, VCCI, and UL
OS Support	Linux Kernel (64 Bit)

Product View



Hardware Specification

System specification

Item	Descriptions
PCBA	1x Motherboard: 429.29 x 427 mm (TU-747, 12L) 1x FPGA Module: 316 x 346 mm (TU-747, 20L) 1x Switch Module: 430 x 291 mm (TU-747, 20L) 4x LOM Module: 10 x 10 mm (TU-747, 12L) 2x PDB Modules: 74 x 50 mm (TU-747, TBC)
CPU	2x Cascade Lake CPU SKU: // Also depends on customer's requirement - 6136, 150W, 12C, Freq. 3.0GHz (Max. 3.8GHz) - 8260, 165W, 24C, Freq. 2.4GHz (Max. 3.9GHz)
Memory	20x DDR4 2666 MT/s 16GB RDIMMs
Memory (Max)	20x DDR4 2666 MT/s 32GB RDIMMs
Storage	1x 2.5" Enterprise Grade SSD (SATA 3.0, 1TB) 1x mSATA SATA SSD (SATA 3.0, 128GB)
PSU	800W Redundant PSU 1+1 AC with 80+ Silver Grade Efficiency. Housing support both of AC and DC power supply module.
System Mgmt.	1x LOM (OOB) Module (DDR3 Connector, AST2400)
System Fan	3+1 Hot-Swappable Smart Fans (Control & Monitoring, Double Stack, 4056, 29,500RPM) 3x Smart Fans for Switch Module 7x Smart Fans for FPGA Module
Ethernet Ports	32x 100GE QSFP28 2x 25GE/10GE SFP28; 2x GE RJ45 (MGMT&HA); 1x GE RJ45 (OOB)
Rackmount kit	Slide Rail
System Dimension	2U (721 x 438 x 88 mm)

Board Level Specification

Item	Descriptions
PCB	1x Motherboard: 429.29 x 427 mm (TU-747, 12L) 1x FPGA Module: 316 x 346 mm (TU-747, 20L) 1x Switch Module: 430 x 291 mm (TU-747, 20L) 4x LOM Module: 10 x 10 mm (TU-747, 12L) 2x PDB Modules: 74 x 50 mm (TU-747, TBC)
Memory	20x DDR4 2666MHz RDIMM Slots
Processor Socket	2x Intel Cascade Lake Processor (Dual Socket LGA3647)
Chipset ID	1x Lewisburg PCH (C621 or C625)
Super IO	1x NCT6796D
Peripheral I/O	1x USB Type C Console 1x 10GE/1GE RJ45 (MGMT); 1x 10GE/1GE RJ45 (HA) 1x GE RJ45 (OOB, LOM) 1x USB 3.0 with 1A@5VDC 1x mSATA Connector (SATA 3.0, 128GB) 2x SATA 3.0 Connectors 1x mini SAS Connector 1x Infineon TPM Chip (9665, TPM 2.0, Module)
Ethernet Ports	32x 100GE QSFP28 2x 25GE/10GE SFP28; 2x GE RJ45 (MGMT&HA); 1x GE RJ45 (OOB)
Misc.	N/A