

## **Product Applications**

- Network Visibility and Monitoring
- WAN Optimization (SD-WAN)
- Virtualized Security Appliance
- Packet Filtering
- Cloud Orchestration
- Application Delivery Controller
- Virtual Radio Access Networks



The CSP-9550 is a combination server-switch hardware appliance based on dual-socket Intel® Xeon® processors, supporting up to 28 cores (56 threads) per socket. The switch system includes 48 SFP28 (25 GbE) and 8 QSFP28 (100 GbE) network ports, all contained within a single 1RU chassis form-factor.

The Intel® Xeon® Purley platform increases CPU capacity and performance for virtual machine consolidation and density, as well as boosting memory bandwidth (six channels). The flexible CSP-9550 design supports 12 DDR4 DIMM slots per CPU, with local storage options including two SATA III and two U.2 NVMe sockets (maximum of two 2.5" devices). The hardware platform is truly open, either install an available operating system and application software that suits your needs, or build your own customized device that represents a solid future-proof investment.

The CSP-9550 is an ideal solution for high-performance network visibility monitoring, WAN optimization, cloud orchestration, or virtualized security.

## **Key Features**

- Dual processor sockets:
  - Intel<sup>®</sup> Xeon<sup>®</sup> processor family (Purley Skylake)
  - Up to 28 cores, 56 threads per socket
  - Improved performance of Intel<sup>®</sup> DPDK due to Intel<sup>®</sup> AVX-512
  - Integrated Intel<sup>®</sup> Ethernet Connection X722 up to 4x10 GbE
  - 12 DIMM slots per socket for DDR4 2133/2400/2666 MHz ECC LRDIMM or RDIMM
- Flexible local storage options for optimized system performance:
  - 2 x SATA III sockets
  - 2 x U.2 NVMe sockets
  - Maximum of two 2.5" devices
- Network switch interfaces:
  - 48 x 25GbE SFP28 ports
  - 8 x 100GbE QSFP28 ports
- Dual redundant AC PSUs (DC PSUs are optional)
- Remote management through a Baseboard Management Controller (BMC)



## **CSP-9550 Specifications**

Form Factor		Local Storage	
1RU rack mount		NVMe & SATA:	2 x SATA 3 sockets 2 x Intel U.2 NVMe sockets Maximum 2 x 2 5" devices
Processor System			
Processor:	2 x Intel® Xeon® Skylake 5118 (12 cores, 2.3G) Socket P (Purley with Skylake CPU) Support up to 28 cores with Intel HT technology Up to 165W extended supply life SKUs Lewisburg C624, C628 (option)	Power Supply	
Core Number: SKU Type: PCH:		Power Type: AC Input: Watts:	2 x redundant 1100 W AC PSUs (DC PSUs optional) 90-264 VAC @ 47-63 Hz 2 x 1100 W (1+1 redundant, 1100 W each)
Memory		System Fans	
Technology: Max. Capacity:	DDR4, 2133, 2400, 2666MHz 768GB (6 channels per CPU) 288-pin RDIMM or LRDIMM Yes	4+1 hot-swappable redundant fan modules	
ECC Support:		System Power Co	onsumption
Networking		Dimonsions	
Switch Chip:Tofino BFN-T10-032QSwitch Capacity:Up to 3.2 Tbps switching capacityInterconnect Chip:Intel PCH X722, Qlogic QL45604Interconnect Bandwidth:Up to 100 Gbps inter-connectivity perCPU		438.4 (W) x 740.5 (D) x 44 mm (H)	
		Weight	
Ethernet I/O		14 kg	
25G: 100G:	48 x 25 GbE SFP28 8 x 100 GbE OSEP28	Environment	
		Operating Temperature: 0 to 45°COperating Humidity:20% - 90% RHStorage Temperature:-20 to 70°CStorage Humidity:5% - 90% RH	
Time Management			
Acceleration		Compliances	
Security and Compression: Intel QuickAssist Technology (option)		EMC/Safety: CE, FCC Full RoHS	
Management			
BMC Chip: Ethernet: Console: USB:	AST2500, AST2520 (option) 1 x GbE RJ-45 for BMC 1 x GbE RJ-45 for CPU 1 x GbE RJ-45 for CPU and BMC 1 x RJ45 console for CPU 1 x USB 2.0		
	Intel Skylake Xeon CPU UP TG Barefoot Tofino 32Q		2 U B B C C C C C C C C C C C C C C C C C