High-Density 400G Programmable Switch for Modern Data Centers

SND9620

The SND9620 is a high-speed 400G switching platform based on Xsight X2 programming switch and featuring 32 x 400G QSFP112 ports and dedicated management connectivity. With redundant 1600W CRPS, modular cooling, OOB management, ONIE support and a compact 1U design, it targets high-density data center and AI/HPC networking.

ASIC
Xsight X2 switching technology delivers up to 12.8 Tbps switching capacity for high-densitydata center networking

400G Ports
Provides 32 x 400G QSFP112 ports for high-density400G Ethernet connectivity

Flexible Connectivity
Additional 50G SFP56 and 10G SFP+ interfaces provide flexible network integration options

Management
Dedicated OOB management and console interfaces simplify provisioning and troubleshooting

Memory
Up to 128 GB DDR4 ECC system memory for control-plane and management functions

Storage
128 GB M.2 storage provides local capacity for NOS images, logs and system data

Power
Redundant 1+1 1600W CRPS power architecture supports high availability

Cooling
Six modularized fan modules provide cooling and serviceability in high-density rack environments

Open Networking
Hardware switch pre-loaded with Open Network Install Environment (ONIE)

High-Speed Switching
Designed for high-speed backbone, spine and aggregation applications requiring substantial bandwidth

Technical Specifications

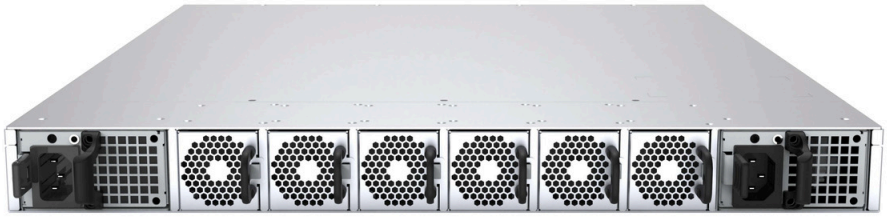
Data Center Switch	
Model Name	400G Data Center Switch
Model Number	SND9620
Network Interfaces	32 x 400G QSFP112 + 2 x 50G SFP56 + 2 x 10G SFP+
I/O / Management	Console: Mini USB OOB: 1 x GbE RJ45 USB: 1 x USB 3.0 Type-A
Switching Capacity	12.8 Tbps
Management	Aspeed AST2600 (Edge SCM, Edge Secure Control Module)
Software	Hardware switch pre-loaded with Open Network Install Environment (ONIE)
Switching Silicon	Xsight X2 XLX2A128A
CPU / Processor	Intel® Xeon® Processor Ice Lake-D SoC
Memory	4 x 16 GB DDR4 ECC SO-DIMM; up to 128 GB
Storage	128 GB M.2 SSD
TPM	TPM 2.0
Power	1+1 Redundant 1600W AC/DC CRPS
Cooling	Air Cooling, 6 modularized fan modules
Environmental	Operating Temperature: 0–40°C Operating humidity: 5–95% RH, non-condensing
Mechanical (W x D x H)	440 x 515 x 44 mm; 15 kg
Applications	Data center spine; carrier core; AI / HPC

Hardware Overview

SND9620 (400G Data Center Switch)

Front View

Rear View



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