

Interface Masters



Innovative Network Solutions

OVERVIEW

Interface Masters Technologies presents Tahoe 2664-ZR1, a 3U managed switch appliance based on Intel's Tofino 2 high-speed switch fabric and includes dual AMD EPYC 2 Milan CPUs (16 to 64-cores, up to 3.675GHz clock speed).

Three port configurations are available in standard form:

- 48 ports of 100G plus 16 ports of 100/400G
- 64 ports of 100G (QSFP28)

Full signal integrity, power integrity and thermal validations completed during development using ANSYS® simulation software and proprietary AMD® tools.

Software configurations include white box with ONIE SDK and a complete hardware specific SDK tool set for custom development. Intel® Deep Insight, Intel® P4 Studio SDE, development tools and software partner solutions available. Interface Masters also currently offers SONiC, Stratum and DENT support for Intel Tofino 2.



Tahoe 2664-ZR1 (ISO View)

PRODUCT FEATURES

Intel Tofino 2 Switch Fabric

- Industry-leading Intel Tofino 2 (12.8 Tb)
- Venerable Intel XEON®-D, 2.2GHz control plane

Industry-Leading AMD EPYC 2 Offload Processors

- Milan, dual x86 processors
- 16 to 64-Cores (3.0GHz base clock, 3.675GHz max)
- Maximum 2048G memory (16x128G DIMMs, DDR4)
- Up to 4TB storage

Dual Redundant power supplies (AC or DC)

- High-efficiency power supplies (AC/DC or DC/DC)

Management Interfaces

- Dedicated Console and Management ports

Security

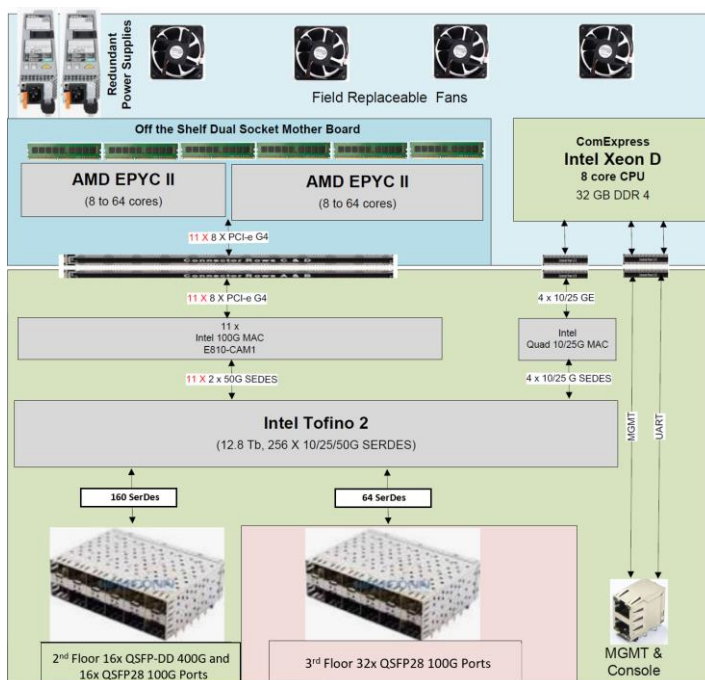
- Standard Trusted Platform Module (TPM)
- US designed and US manufactured

Other

- Standard IEEE-1588 PTP support
- ANSYS thermal modeling optimization ensures optimal airflow and minimum internal turbulence

SOFTWARE

- Support Intel Protocol Independent Switch Architecture (PISA) with P4 programmability
- SONiC, Stratum™ and DENT Support for Intel Tofino 2
- SDK with complete hardware specific tools



Tahoe 2664 Block Diagram

ENVIRONMENTAL	
Operating Temperature	-5° to + 45°C (23°F to 113°F)
Operating Humidity	5 to 95%, non-condensing

DIMENSIONS		
	Inches	Millimeter
Length	24	609.6
Height	5.25	133.5
Width	17.15	435.61

STANDARD ACCESSORIES	
TAC2664	Rack Mounting Ear
MCC05	Management and console cabling

PRELIMINARY POWER CONSUMPTION	
Typical	Maximum
440W	960W

ORDERING INFORMATION	
Part Number	Description
T2664-ZR1-AC	Tahoe 2664 switching appliance supporting forty-eight (48) ports of 100G, 16 ports of 100/400G, dual AMD 64-Core CPUs (3.675GHz maximum clock), 16x64GB RAM (3200mt/s), 2x1TB NVME SSD storage, redundant AC power supplies and field replaceable fans.
T2664-ZR1-DC	Tahoe 2664 switching appliance supporting forty-eight (48) ports of 100G, 16 ports of 100/400G, dual AMD 64-Core CPUs (3.675GHz maximum clock), 16x64GB RAM (3200mt/s), 2x1TB NVME SSD storage, redundant DC power supplies and field replaceable fans.
T2664-ZR1-AC2	Tahoe 2664 switching appliance supporting forty-eight (48) ports of 100G, dual AMD 64-Core CPUs (3.675GHz maximum clock), 16x64GB RAM (3200mt/s), 2x1TB NVME SSD storage, redundant AC power supplies and field replaceable fans.
T2664-ZR1-DC2	Tahoe 2664 switching appliance supporting forty-eight (48) ports of 100G, dual AMD 64-Core CPUs (3.675GHz maximum clock), 16x64GB RAM (3200mt/s), 2x1TB NVME SSD storage, redundant DC power supplies and field replaceable fans.

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CUSTOMIZATION SERVICES

Hardware, Firmware, Linux O/S and application code development services available.



ABOUT INTERFACE MASTERS TECHNOLOGIES, INC.

Interface Masters Technologies is a leading provider of high-speed networking solutions focused on 1/10/25/40/100/200/400 Gigabit Ethernet networking solutions. For 27 years Interface Masters Technologies has been providing innovative networking solutions with customization services to OEMs, large enterprises and sophisticated end users. Interface Masters Technologies provides Ethernet switches, appliances, server adapter cards with high port density, networking offload and bypass functionality. Company headquarters are in San Jose, CA with satellite offices in Hong Kong and Europe.