

Interface Masters

TECHNOLOGIES

Innovative Network Solutions

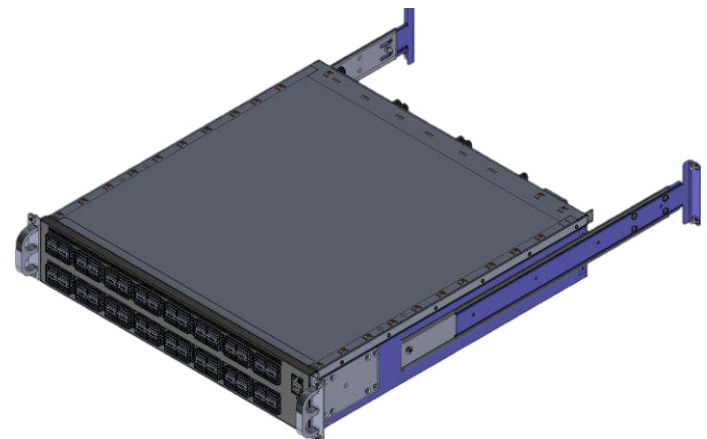
OVERVIEW

Interface Masters presents Tahoe 2664, a 2U modular switch appliance based on Barefoot Tofino II® high-speed switch fabric and managed by a powerful Intel x86 control plane.

Tahoe 2664 standard configuration supports thirty-two (32) 100/40/10G ports plus four I/O modules. Each I/O module supports eight (8) additional 100/40/10G ports for total system configuration of sixty-four (64) 100/40/10G ports. Additional port configurations for both 200G and 400G can be developed based on customer requirement.

Software configuration includes SDK with complete hardware specific SDK tools for custom development, all ports and features functional and ready for customer development.

Interface Masters proudly designs and manufactures all our products in the USA.



Tahoe 2664 (ISO View)

PRODUCT FEATURES

Barefoot Tofino II Switch Fabric

- 64 ports of 100/40/10G QSFP28
 - 32 fixed 100/40/10G ports
- Additional configurations can be developed

I/O Modules

- Four I/O modules, each supporting 8 additional 100/40/10G ports
- Xilinx and Altera FPGA I/O Modules

Intel Control Plane

- Powerful x86 control plane

Dual Redundant Hot-Swappable Power Supplies

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

Management Interfaces

- Dedicated RS-232 console port
- Dedicated 10/100/1000 management port

Security

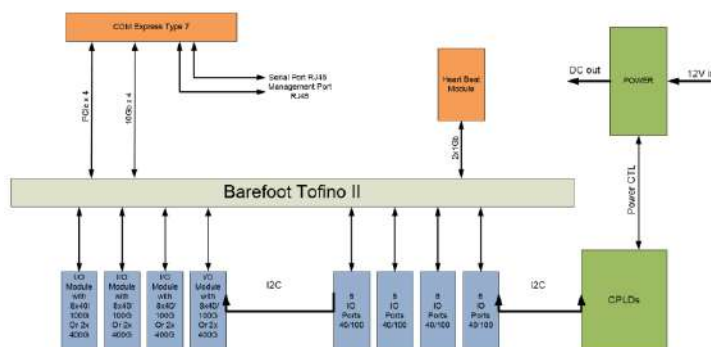
- Standard Trusted Platform Module (TPM)

Other

- Standard IEEE-1588 PTP support

SOFTWARE

- Support Barefoot Protocol Independent Switch Architecture (PISA) with P4 programmability
- Sonic Support for Barefoot
- SDK with complete hardware specific SDK tools for custom development, all ports and features functional and ready for customer development



Block Diagram of Tahoe 2664

ENVIRONMENTAL	
Operating Temperature	0° to 45 °C (32° to 113°F)
Storage Temperature	-20° - 65°C (-4°F to 149°F)
Operating Humidity	5 to 85%, non-condensing
Airflow	100+lf/m

ORDERING INFORMATION	
Part Number	Description
Tahoe 2664	Advanced Barefoot Tofino II switching appliance with support for maximum 64 x 100/40/10G ports
IM13276	I/O module supporting 8 x 100/40/10G ports
IM13298	I/O Module support Xilinx and Altera FPGA module, plus fans

DIMENSIONS (Preliminary)		
	Inches	Millimeter
Length	24.00	609.60
Height	3.44	87.38
Width	17.15	438.15

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 Gigabit Ethernet networking solutions. For over 25 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 located in San Jose, CA with satellite offices in Hong Kong and Europe.

Barefoot Tofino® is a trademark of Barefoot Networks.