

## Interface Masters

TECHNOLOGIES

Innovative Network Solutions

### OVERVIEW

Tahoe 8824 from Interface Masters Technologies is a highly flexible 1U desktop networking appliance designed for enterprise market. Tahoe 8824 is based on Marvell® 64-bit ARMv8.2 Technology. It supports DPDK for applications that require highly effective data processing. It also supports CN92xx family of processors.

The appliance supports Marvell's CN92xx family of processors and features eight fixed ports of 10G SFP+, four ports of 25G SFP28, one USB 3.0, NVMe SSD, SD Card reader and eMMC.

Interface Masters provides support for the Marvell SDK on multiple Linux distributions. Additional software and firmware enable rapid application development. Interface Masters offers Level 1 and 2 support software application development capabilities.

Target application include Artificial Intelligence (AI), Edge Routers, 5G, Access Points, Network Security Appliances such as Unified Treat Management (UTM), Intrusion Detection System (IDS), Intrusion Prevention System (IPS), Data Loss Prevention (DLP), and Content Management Systems (CMS), Networking Offload Assist, SSL/IPSec Offload Processing, WAN Optimization, 3G / 4G / 5G / LTE gateways, Application Delivery Controllers, and Custom Networking Appliances.

All products are proudly designed and manufactured in the U.S.A.



Tahoe 8824 (does not represent actual device)

## PRODUCT FEATURES

### CPU:

- Marvell OCTEON TX2® CN9265 (18 Core at 1800 MHz)
- o Marvell OCTEON TX2 CN9265 (12 Core at 1800 MHz)

### DRAM:

- Four SODIMM 72-bit DDR4 memory with ECC

### Non-Volatile Memory:

- NVMe SSD, SD card, eMMC and SPI NOR Flash

### I/O Interfaces:

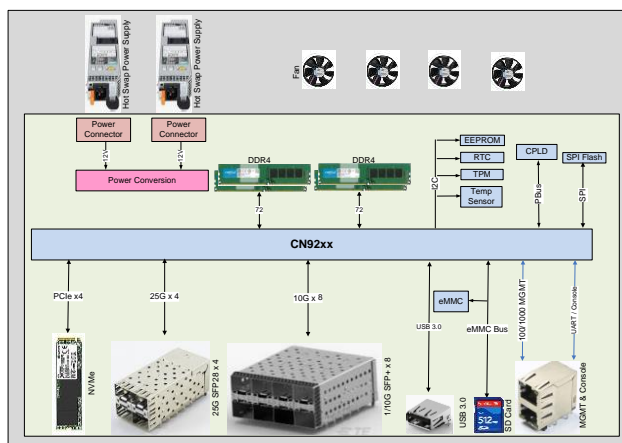
- Four 25G SFP28 port
- Eight 10G SFP+
- One 100/1000 Management Port
- RJ45 RS232 Console port
- One USB 3.0 Type-A

### Functions:

- Support for SyncE and IEEE-1588
- Real-time clock
- Temperature sensor
- Optional Trusted Platform Module (TPM)

### Other:

- Dual-redundant hot-swap 120W power supplies
- Four internal fixed fans
- Operating System: Linux with Marvell SDK



Block Diagram Tahoe 8824

ENVIRONMENTAL	
Operating Temperature	0° to 40 °C (32° to 104°F)
Storage Temperature	-40° - 85°C (-40°F to 185°F)
Operating Humidity	10 to 90%, non-condensing
Storage Humidity	5 to 95%, non-condensing

DIMENSIONS		
	Inches	Millimeter
Length	17.50	445
Height	1.73	44
Width	17.25	439

STANDARD ACCESSORIES	
TAC104	Rack mounting ear
TAC103	Sliding guides

ORDERING INFORMATION	
Part Number	Description
Tahoe8824- CN9265- 1800	Standard base system OCTEON TX2 CN9265 (18 Core 1800MHz) CPU, 16GB DDR4. Optional NVMe SSD No Optics Two 120W Power Supplies Four fixed internal fans

## CUSTOMIZATION SERVICES

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



MARVELL and OCTEON TX2 are registered trademarks of Marvell.

## 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.