



OVERVIEW

Interface Masters Technologies presents Tahoe 8722, a highly-flexible 1U networking appliance designed for enterprise installations. Tahoe 8722 is based on Cavium 64-bit MIPS technology. Tahoe 8722 is based on Marvell® 64-bit MIPS technology and supports the OCTEON III® CN7870 processor and 12 ports of 10G SFP+.

The appliance is based on Marvell's CN7870 processor and features twelve fixed ports of 10G SFP+. Tahoe 8722 comes equipped with two redundant hot-swappable power supplies and four field-replaceable fans.

Interface Masters provides support for the Cavium SDK on multiple Linux distributions. Tahoe 8722 is Open Switch compatible. Additional software and firmware enables rapid application development. Interface Masters offers Layer 1 and 2 support as well as software application development capabilities.

Target applications include network security appliance, Network Function Virtualization (NFV), Software Defined Networks (SDN), SSL/IPSec offload processing, 3G / 4G / LTE gateways, Unified Threat Management (UTM), Intrusion Detection Systems (IDS), Intrusion Prevention System (IPS), Data Loss Prevention (DLP), WAN optimization, Application Delivery Controllers (ADC), wireless controllers and load balancers.



Tahoe 8722 (ISO View)

PRODUCT FEATURES

CPU

- Marvell OCTEON III CN78xx (24-48 Cores)

DRAM

- Four DDR4 SO-DIMM (4 x 16GB ECC)

Non-Volatile Memory

- SPI NOR Flash, eMMC flash 4GB, Micro SD, 2 x M.2 SSD

I/O Interfaces

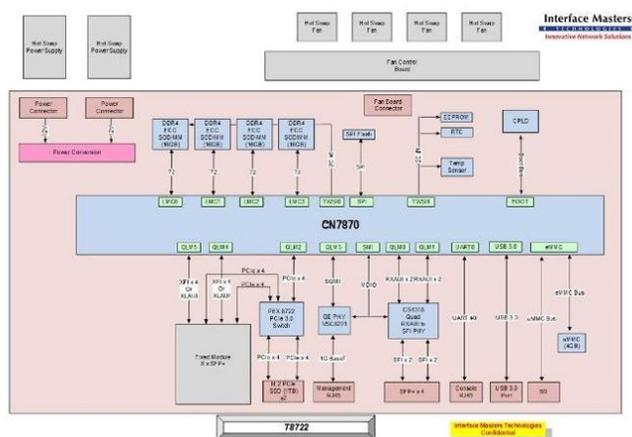
- 12 x 10GE SFP+ ports
- 1 x 10/100/1000 management port
- 1 SD card slot
- 1 x USB 3.0
- 1 x RJ45 console port

Functions

- Real-time clock
- Temperature sensor
- Optional Trusted Platform Module (TPM)
- Optional FIPS compliance
- Optional removable SSD

Other:

- Dual-redundant hot-swap power supplies
- Four field-replaceable fans
- Full RoHS compliance
- Open switch compatible
- Operating System: Linux with Marvell SDK



Block Diagram of Tahoe 8722

ENVIRONMENTAL	
Operating Temperature	0° to 40 °C (32° to 104°F)
Storage Temperature	-20° - 65°C (-4°F to 149°F)
Operating Humidity	10 to 90% RH, non-condensing
Storage Humidity	5 to 95% RH, non-condensing

RELATED PRODUCTS ORDERING INFORMATION	
Part Number	Description
Tahoe8722-CN7890-1800	Standard base system Tahoe 8722. OCTEON III CN7870 (24 Core 1800MHz) CPU, 64GB

DIMENSIONS		
	Inches	Millimeter
Length	21.00	533.40
Height	1.75	44.45
Width	16.80	426.72

STANDARD ACCESSORIES	
TAC104	Rack Mounting Ear
TAC103	Standard Sliding Rails (24")
TAC110	Long Sliding Rails (27.5"+)

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 28 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 Fremont, CA with satellite offices in Hong Kong and Europe.