Interface Masters
TECHNOLOGIES
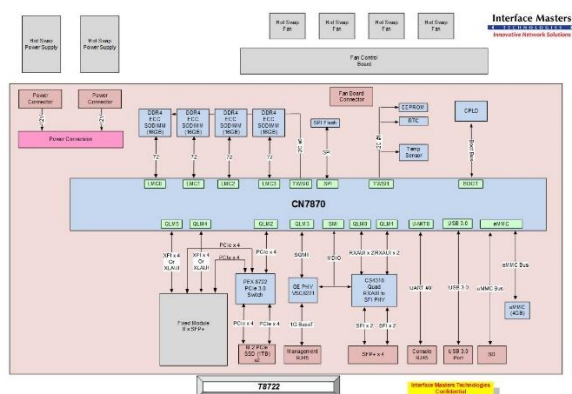*Innovative Network Solutions*

OVERVIEW

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

Interface Masters provides support for the Marvell Software Development Kit (SDK) on multiple Linux distributions. Additional software and firmware enable rapid application development. Interface Masters offers Layer 1 and 2 support as well as software application development capabilities.

Target applications include Edge Routers, Artificial Intelligence (AI), network security appliance and offloads, Network Function Virtualization (NFV), Software Defined Networks (SDN), SSL/IPSec offload processing, 3G / 4G / 5G 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)

Block Diagram of Tahoe 8722

PRODUCT FEATURES

CPU

- Marvell OCTEON III CN7870 (24-Core 1800 MHz)

DRAM

- Four DDR4 SO-DIMM, four 16GB ECC

Non-Volatile Memory

- SPI NOR EEPROM
- eMMC
- Micro SD

I/O Interfaces

- Twelve 10Gb SFP+ ports,
- 10/100/1000 management port
- RS232 console port
- USB 3.0

Functions

- Support for SyncE and IEEE-1588
- Real time clock
- Temperature sensor
- External power supply (two-barrel connector)

Operating System

- Linux Marvell SDK
- FCC class A and CE certification
- 1U mounting options

Additional Features

- Dual-redundant hot-swap power supplies
- Four field-replaceable fans
- Full RoHS compliance
- Open switch compatible

ENVIRONMENTAL	
Operating Temperature	0º to 40 ºC (32º to 104ºF)
Storage Temperature	-20º - 65ºC (-4ºF to 149ºF)
Operating Humidity	10 to 90%, non-condensing
Storage Humidity	5 to 95%, non-condensing

ORDERING INFORMATION	
Part Number	Description
Tahoe 8722	Tahoe 8722 with OCTEON III CN7870 (24-Core at 1800 MHz) with no I/O module.

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	Sliding guides

CUSTOMIZATION SERVICES

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

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ABOUT INTERFACE MASTERS TECHNOLOGIES, INC.

Interface Masters Technologies is a leading provider of high-speed networking solutions focused on 1/10/25/100/200 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 in San Jose, CA with satellite offices in Hong Kong and Europe.