

Interface Masters

TECHNOLOGIES

Innovative Network Solutions

OVERVIEW

Interface Masters Technologies presents Tahoe 8822, a highly flexible and expandable 1U networking appliance with the lowest OPEX. It is based on Cavium 64-bit ARMv8 technology. It supports DPDK for applications that require highly efficient data processing. Tahoe 8822 supports CN83xx family of processors. It features a small form factor, twelve 1/10GE SFP+ ports, an SD card, and two USB 3.0 host ports. Customization services are offered.

Interface Masters Technologies provide support for the Cavium SDK on multiple Linux distributions. Additional software and firmware enable rapid application development. Interface Masters offers Layer 1 and 2 supports as well as software application development capabilities.

Target Applications include:

- Network Security Appliances such as Unified Threat Management (UTM)
- Intrusion Detection System (IDS)
- Intrusion Prevention System (IPS)
- Intelligent Edge Appliance (IEA)
- Data Loss Prevention (DLP)
- Content Management System (CMS)
- Network Offload Assist
- SSL/IPSec offload processing
- WAN optimization
- Application Delivery Controllers
- Custom Networking Appliance



Tahoe 8822 ISO View

PRODUCT FEATURES

CPU

- Cavium OCTEON TX CN8360 (18 Core at 800/1,000/1,200/1,500 MHz)

DRAM

- Two of DDRIII SODIMM, up to 16GB ECC

None Volatile Memory

- SPI NOR Flash
- eMMC
- SATA 3.0

I/O Interfaces

- 12 x 1/10GE SFP+ ports
- 1 x 10/100/1000 management port
- 1 x RS232 console port
- 2 x USB 3.0

Functions

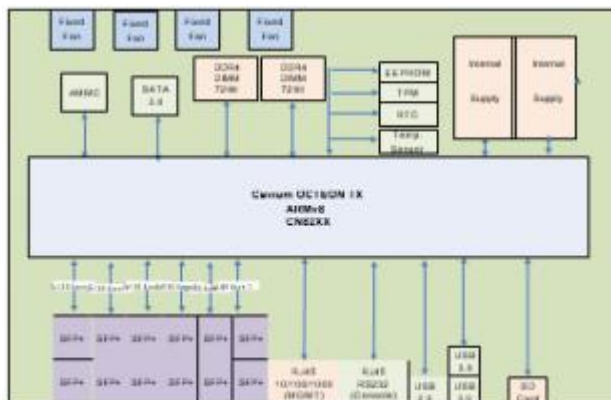
- Real time clock
- Temperature sensor
- Optional TPM

Power Supplies

- Two internal redundant power supplies

Operating System

- Linux Cavium SDK



Block Diagram of Tahoe 8822

ENVIRONMENTAL	
Operating Temperature	0° to 40 °C (32° to 104°F)
Storage Temperature	-40° - 85°C (-4°F to 185°F)
Operating Humidity	10 to 90%, relative humidity non-condensing
Storage Humidity	5 to 95% relative humidity non-condensing

ORDERING INFORMATION	
Part Number	Description
Tahoe8822-CN8360-800	Tahoe 8822 with OCTEON TX CN 8360 at 800 MHz
Tahoe8822-CN8360-1,000	Tahoe 8822 with OCTEON TX CN8360 at 1,000 MHz
Tahoe8822-CN8360-1,200	Tahoe 8822 with OCTEON TX CN 8360 at 1,200 MHz
Tahoe8822-CN8360-1,500	Tahoe 8822 with OCTEON TX CN 8360 at 1,500 MHz

DIMENSIONS (Preliminary)		
	Inches	Millimeter
Length	10.00	254
Height	1.73	44
Width	7.50	190

OPTIONAL ACCESSORIES	
Tahoe8822-ACS02	19" Rack mounting tray

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.