Tahoe 8824

Cavium-ARM Based Rackmount Networking Appliance   **Product Brief**
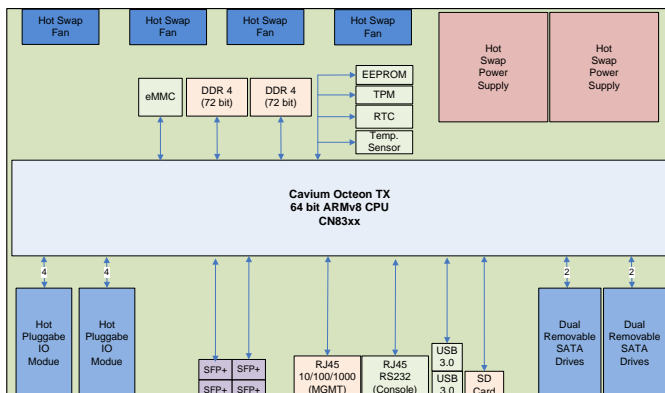
OVERVIEW

Interface Masters Technologies presents Tahoe 8824, a highly flexible 1U networking appliance designed for enterprise installations. Tahoe 8824 based on Cavium 64 bit ARMv8 technology. It supports CN83xx family of processors. It features two hot swappable IO modules. Each IO modules support either four ports of 10G or 1 ports of 40G fiber. Tahoe 8824 comes with two redundant hot swappable power suppliers and four field replaceable fans.

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

Target applications include:

- Network Security Appliances such as UTM (Unified Treat Management),
- IDS (Intrusion Detection Systems),
- IPS (intrusion Prevention System),
- DLP (Data Loss Prevention) and
- CMS (Content Management Systems),
- Networking Offload assist,
- SSL/IPSec offload processing,
- WAN optimization,
- Application Delivery Controllers and custom networking appliances

Block Diagram of Tahoe 8824

PRODUCT FEATURES

CPU
- Cavium OCTEON TX CN8360
  (16 Core at 800 / 1,000 / 1,200 / 1,500 MHz)
- Cavium OCTEON TX CN8365
  (24 Core at 800 / 1,000 / 1,200 / 1,500 MHz)
- Cavium OCTEON TX CN8370
  (32 Core at 800 / 1,000 / 1,200 / 1,500 MHz)

DRAM
- 4x 72 bit DDR 4 with ECC

None Volatile Memory
- SPI NOR EEPROM
- eMMC
- Micro SD

I/O Interfaces
- 4 x 10GE SFP+ ports
- 1 x 10/100/1000 management port
- 1 x RS232 console port
- 2X USB 3.0
- 2 x Hot swappable IO module
  (up to 8x 10G / 2 x 40G)

Functions
- Real time clock
- Temperature sensor
- Optional TPM

Power Supplies
- Two hot swappable redundant power supplies

Fans
- Fans field swappable fans

IO Modules
- Two hot swappable IO modules

Operating System
- Cavium SDK

ENVIRONMENTAL

Temperature	Operating	0º to 40 ºC
	Storage	-40º to +85º C
Humidity	Operating	10 to 90% relative humidity non-condensing
	Storage	5 to 95% relative humidity non-condensing

DIMENSIONS

	Inches	Millimeter
Length	17.50	445
Height	1.73	44
Width	17.25	438

IO MODULE ORDERING NUMBER

Tahoe8824-M01	IO module with four 1/10 SFP+ ports
Tahoe8824-M02	IO module with one 40 QSFP+ Port

STANDARD ACCESSORIES

Tahoe8824-ACS01	Mounting ear

ORDERING INFORMATION

Part Number	Description
Tahoe8824-CN8360-800	Tahoe8824 with OCTEON TX CN8360 at 800 MHz with no IO module
Tahoe8824-CN8360-1000	Tahoe8824 with OCTEON TX CN8360 at 1000 MHz with no IO module
Tahoe8824-CN8360-1200	Tahoe8824 with OCTEON TX CN8360 at 1200 MHz with no IO module
Tahoe8824-CN8360-1500	Tahoe8824 with OCTEON TX CN8360 at 1500 MHz with no IO module
Tahoe8824-CN8365-800	Tahoe8824 with OCTEON TX CN8365 at 800 MHz with no IO module
Tahoe8824-CN8365-1000	Tahoe8824 with OCTEON TX CN8365 at 1000 MHz with no IO module
Tahoe8824-CN8365-1200	Tahoe8824 with OCTEON TX CN8365 at 1200 MHz with no IO module
Tahoe8824-CN8365-1500	Tahoe8824 with OCTEON TX CN8365 at 1500 MHz with no IO module
Tahoe8824-CN8370-800	Tahoe8824 with OCTEON TX CN8370 at 800 MHz with no IO module
Tahoe8824-CN8370-1000	Tahoe8824 with OCTEON TX CN8370 at 1000 MHz with no IO module
Tahoe8824-CN8370-1200	Tahoe8824 with OCTEON TX CN8370 at 1200 MHz with no IO module
Tahoe8824-CN8370-1500	Tahoe8824 with OCTEON TX CN8370 at 1500 MHz with no IO module

CUSTOMIZATION SERVICES

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

ABOUT INTERFACE MASTERS TECHNOLOGIES, INC.

Interface Masters Technologies is a long term Cavium partner and leading provider of high speed networking solutions focused on Gigabit, 10 Gigabit, 40 Gigabit and 100 Gigabit Ethernet networking solutions. For over 20 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.

Interface Masters
◄ T E C H N O L O G I E S ►
Innovative Network Solutions