

Interface Masters



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 Cavium 64-bit ARMv8 technology. It supports DPDK for applications that require highly efficient data processing. It also supports CN83xx family of processors. Tahoe 8824 features an optional hot swappable IO module that supports either eight ports of 10G or two ports of 40G. It comes with two redundant hot swappable power supplies 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 Levels 1 and 2 supports software application development capabilities as well.

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



PRODUCT FEATURES

CPU

- Cavium OCTEON III CN8380 (24 Core at 1800 / 1,400 / 1,200 MHz)
- Cavium OCTEON III CN8340 (8 Core at 1200 / 1,000 / 800 MHz)

DRAM

- 72-bit DDR4 memory with ECC

None Volatile Memory

- SPI NOR Flash
- eMMC
- SD Card Slot

I/O Interfaces

- Eight SFP cages with 10/100/100bT
- One 1000 Base-T Ethernet port
- Four 10Gbps SFP+ ports
- RJ45 RS232 serial port
- Two USB 3.0 Type-A

Functions

- Real time clock
- Temperature sensor
- Optional TPM

Functions

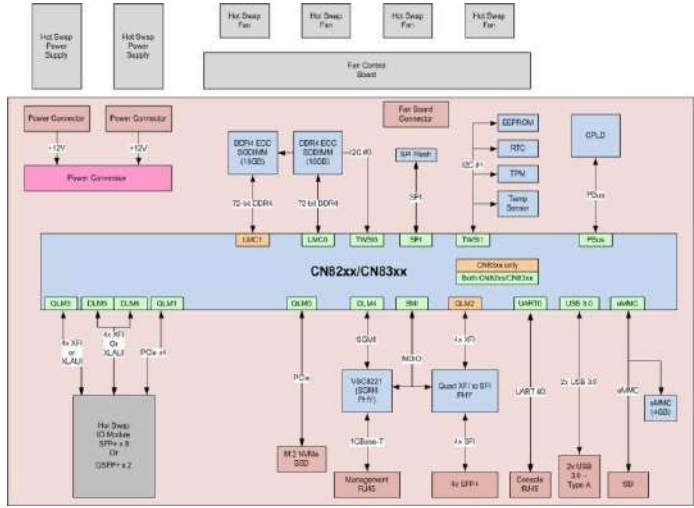
- Real time clock
- Temperature sensor
- Optional TPM
- EEPROM

Power Supply

- Two Redundant hot swappable power supplies
- Four hot Replaceable fans

Operating System

- Linux Cavium SDK



Block Diagram of Tahoe 8824

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

ORDERING INFORMATION	
Part Number	Description
Tahoe 8824-1121	Tahoe 8824 CPU CN8380 CPU Speed 1200MHZ DRAM Size 32G AC power supply

DIMENSIONS		
	Inches	Millimeter
Length	17.25	438
Height	17.5	445
Width	1.73	44

CUSTOMIZATION SERVICES

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