Tahoe 8622

Cavium-Based Desktop Networking Appliance

Product Brief

OVERVIEW

Interface Masters Technologies presents Tahoe 8622, a highly flexible 1U networking appliance designed for enterprise installations. Tahoe 8622 is based on Cavium CN68xx, 64 bit MIPS processor. It features two hot swappable IO modules. Each IO modules supports either two ports of 10G or 8 ports of 1G fiber. Tahoe 8622 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 Access Points, Network Security Appliances such as UTM (Unified Treat Management), IDS (Intrusion Detection Systems), IPS (intrusion Prevention System), DLP (Data Loss Prevention) & CMS (Content Management Systems), Networking Offload assist, SSL/IPSec offload processing, WAN optimization, Application Delivery Controllers and custom networking appliances.

PRODUCT FEATURES

DRAM
- 72 bit with ECC, up to 64GB DDR III, Four SODIMM

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

I/O Interfaces
- 4 x 1GE SFP ports
- 1 x 10/100/1000 management port
- 1 x RS232 console port
- 1X USB 2.0
- 2X USB 3.0

Functions
- Real time clock
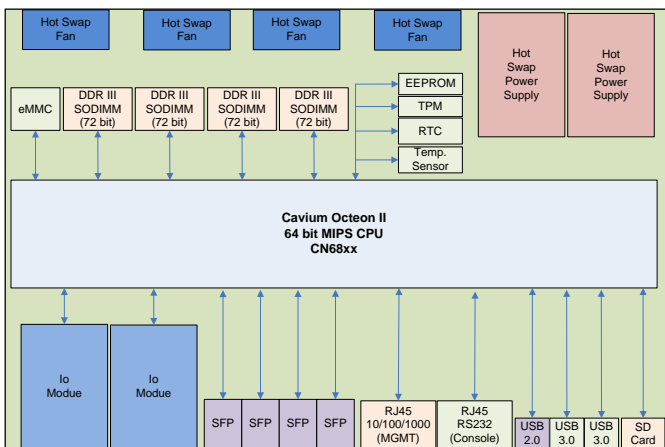- Temperature sensor
- Optional TPM

Power Supplies
- Two hot swappable redundant power supplies

Fans
- Fans field swappable fans

IO Modules
- Two hot swappable IO modules

Block Diagram of Tahoe 8622

Operating System

- Cavium SDK

SUPPORTED CPUs

- Cavium Octeon II CN6860
  (16 Core at 800 / 1,000 / 1,200 / 1,500 MHz)
- Cavium Octeon II CN6870
  (24 Core at 800 / 1,000 / 1,200 / 1,500 MHz)
- Cavium Octeon II CN6880
  (32 Core at 800 / 1,000 / 1,200 / 1,500 MHz)

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	
Tahoe6822-M01	IO Module with 2 SFP+ ports
Tahoe6822-M02	IO Module with 8 ports of 8 SFP ports

STANDARD ACCESSORIES	
Standard	
Tahoe8622-ACS01	Mounting ear

SYSTEM ORDERING INFORMATION	
Part Number	**Description**
Tahoe8622-CN6860-800	Tahoe8622 with Octeon II CN6860 at 800 MHz with no IO module
Tahoe8622-CN6860-1000	Tahoe8622 with Octeon II CN6860 at 1000 MHz with no IO module
Tahoe8622-CN6860-1200	Tahoe8622 with Octeon II CN6860 at 1200 MHz with no IO module
Tahoe8622-CN6860-1500	Tahoe8622 with Octeon II CN6860 at 1500 MHz with no IO module
Tahoe8622-CN6870-800	Tahoe8622 with Octeon II CN6870 at 800 MHz with no IO module
Tahoe8622-CN6870-1000	Tahoe8622 with Octeon II CN6870 at 1000 MHz with no IO module.
Tahoe8622-CN6870-1200	Tahoe8622 with Octeon II CN6870 at 1200 MHz with no IO module
Tahoe8622-CN6870-1500	Tahoe8622 with Octeon II CN6870 at 1500 MHz with no IO module
Tahoe8622-CN6880-800	Tahoe8622 with Octeon II CN6880 at 800 MHz with no IO module
Tahoe8622-CN6880-1000	Tahoe8622 with Octeon II CN6880 at 1000 MHz with no IO module
Tahoe8622-CN6880-1200	Tahoe8622 with Octeon II CN6880 at 1200 MHz with no IO module
Tahoe8622-CN6880-1500	Tahoe8622 with Octeon II CN6880 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.

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