

Interface Masters



OVERVIEW

Interface Masters Technologies presents Tahoe 8714, a 1U networking appliance capable of highly-integrated networking security and applications processing.

Tahoe 8714 is based on Marvell's OCTEON III MIPS64 architecture, and features support for Crypto SHA2/SHA3 algorithms and high transaction rates as well as Deep Packet Inspection (DPI) features. The OCTEON III family base architecture is the same across CPUs and software written for the OCTEON III family scales uniformly across OCTEON III processors.

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

Target applications include Network Security Appliance, SSL/IPSec offload processing, Unified Threat Management (UTM), Intrusion Detection Systems (IDS), Intrusion Prevention System (IPS), Data Loss Prevention (DLP), WAN optimization, Application Delivery Controllers (ADC) and wireless controllers.



Tahoe 8714 (ISO View)

PRODUCT FEATURES

CPU:

- Marvell OCTEON III CN7360
- 16 Cores @1.8GHz (higher clock available)

DRAM: (supports DDR3 or DDR4)

- Two DDR4 SO-DIMM (2 x 16GB ECC)

Storage:

- 32G standard PCIe NVMe (optional 64G)

I/O Interfaces:

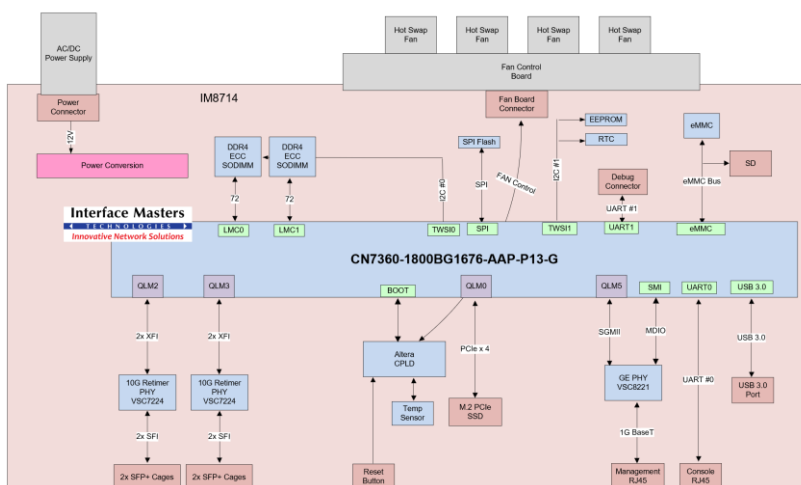
- 4 x 10GE SFP+ ports
- 1 x 10/100/1000 management por.
- 1 x RJ45 console port
- 1 x USB 3.0 (internal)
- Operating System: Linux with Marvell SDK

Functions

- Real-time clock
- External reset
- System-level temperature sensors

Other:

- AC and DC version power supplies (AC standard)
- Four field-replaceable fans
- Full RoHS compliance
- Operating System: Linux with Cavium SDK



Block Diagram of Tahoe 8714

ENVIRONMENTAL	
Operating Temperature	0° to 60 °C (32° to 140°F)
Storage Temperature	-20° - 65°C (-4°F to 149°F)
Operating Humidity	10 to 90%, non-condensing
Storage Humidity	5 to 95%, non-condensing

ORDERING INFORMATION	
Part Number	Description
Tahoe8714-CN7360-1800	Standard base system Tahoe 8714. OCTEON III CN7360 (16 Core 1800MHz) CPU, 32GB

DIMENSIONS		
	Inches	Millimeter
Depth	15.12	384.17
Height	1.75	44.45
Width	16.62	422.14

STANDARD ACCESSORIES	
TACXXX	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 1/10/25/40/100/200 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 in San Jose, CA with satellite offices in Hong Kong and Europe.