

## Interface Masters

TECHNOLOGIES

Innovative Network Solutions

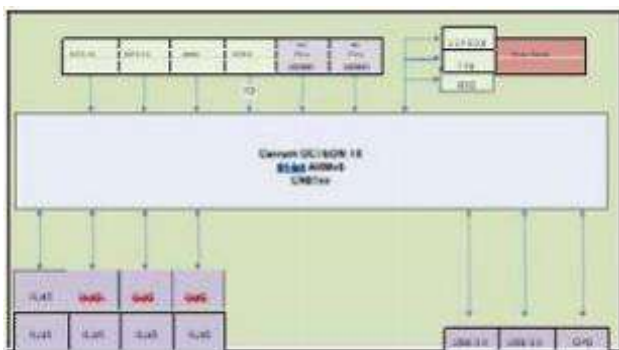
### OVERVIEW

Interface Masters Technologies presents Tahoe 8820, a highly flexible desktop networking appliance designed for enterprise installations. Tahoe 8820 is based on Marvell®(Cavium®) ARMv8 technology and supports the OCTEON® TX CN8130 processor with 4 cores running at 1,200/ 1,500/ 1,800/ 2,000 MHz.

Interface Masters provides support for the Marvell Software Development Kit (SDK) on multiple Linux distributions. Additional software and firmware enable rapid application development. Interface Masters offers Layer 1 and 2 support as well as software application development capabilities.

Target applications include vCPE, vGW, IOT GW, Access Points, SMB router Network Security Appliances such as:

- Unified Threat Management (UTM)
- Intrusion Detection System (IDS)
- Intrusion Prevention System (IPS)
- Data Loss Prevention (DLP)
- Content Management System (CMS)



Block Diagram of Tahoe 8812



Tahoe 8820 (ISO View)

## PRODUCT FEATURES

### CPU

- Marvell (Cavium) OCTEON TX CN8120 (2 Core at 1,200 / 1,500 / 1,800 / 2,000 MHz)
- Marvell (Cavium) OCTEON TX CN8130 (4 Core at 1,200 / 1,500 / 1,800 / 2,000 MHz)

### DRAM

- DDR4, Up to 8BG ECC

### Non-Volatile Memory

- SPI NOR EEPROM
- eMMC
- Micro SD
- 2x mSATA 3.0

### I/O Interfaces

- 8 x 10/100/1000 Base-T Ethernet
- 2 x mSATA 3.0
- 2 x USB 3.0
- 2 x mini PCI-e x 1

### Functions

- Real time clock
- Temperature sensor
- Optional GPS
- Optional Trusted Platform Module (TPM)

### Power Supply

- Internal

### Operating System

- Linux Marvell (Cavium) SDK

ENVIRONMENTAL	
Operating Temperature	0° to 40 °C (32° to 104°F)
Storage Temperature	-40° - 85°C (-4°F to 149°F)
Operating Humidity	10 to 90%, non-condensing
Storage Humidity	5 to 95%, non-condensing

DIMENSIONS		
	Inches	Millimeter
Length	21.00	533.40
Height	1.75	44.45
Width	16.80	426.72

STANDARD ACCESSORIES	
TAC104	Rack mounting ear
TAC103	Sliding guides

ORDERING INFORMATION	
Part Number	Description
Tahoe8820-CN8120-1200	Tahoe8818 with OCTEON TX CN8120 at 1200 MHz
Tahoe8820-CN8120-1500	Tahoe8818 with OCTEON TX CN8120 at 1500 MHz
Tahoe8820-CN8120-1800	Tahoe8818 with OCTEON TX CN8120 at 1800 MHz
Tahoe8820-CN8120-2000	Tahoe8818 with OCTEON TX CN8120 at 2000 MHz
Tahoe8818-CN8130-1200	Tahoe8818 with OCTEON TX CN8130 at 1200 MHz
Tahoe8818-CN8130-1500	Tahoe8818 with OCTEON TX CN8130 at 1500 MHz
Tahoe8818-CN8130-1800	0 Tahoe8818 with OCTEON TX CN8130 at 1800 MHz
Tahoe8818-CN8130-2000	Tahoe8818 with OCTEON TX CN8130 at 2000 MHz

## CUSTOMIZATION SERVICES

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



Marvell, CAVIUM and OCTEON are registered trademarks of Marvell.

## ABOUT INTERFACE MASTERS TECHNOLOGIES, INC.

Interface Masters Technologies is a leading provider of high-speed networking solutions focused on 1/10/25/100/200 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.