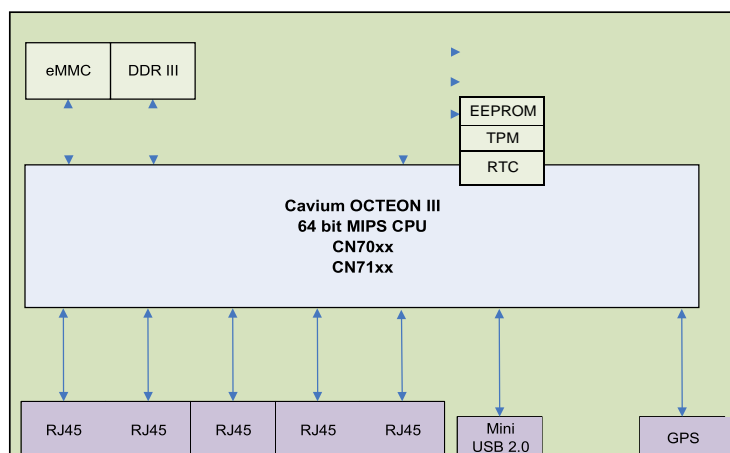## OVERVIEW

Tahoe 8718 from Interface Masters Technologies is a compact, highly flexible networking appliance designed for SOHO and branch office installations. The processor complex is built on a Marvell CN70xx and CN71xx processor. The appliance features low power consumption, a small form factor, and five RJ45 ports for 10/100/1000 Ethernet. A mini USB port can be used for console operation. This unit comes with an optional GPS port and TPM. Customization services are offered.

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

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.

Block Diagram of Tahoe 8718

PRODUCT FEATURES

CPU
- Marvell OCTEON III CN7010
  (1 Core at 800 / 1,000 / 1,200 MHz)
- Marvell OCTEON III CN7020
  (2 Core at 800 / 1,000 / 1,200 MHz)
- Marvell OCTEON III CN7120
  (2 Core at 1,000 / 1,200 / 1,600 MHz)
- Marvell OCTEON III CN7125
  (3 Core at 800 / 1,000 / 1,200 / 1,600 MHz)
- Marvell OCTEON III CN7130
  (4 Core at 800 / 1,000 / 1,200 / 1,600 MHz)

DRAM
- 2GB DDR III standard (up to 4GB)

Non-Volatile Memory
- SPI NOR EEPROM
- eMMC (4 GB)
- Micro SD

I/O Interfaces
- Five Ethernet 10/100/1000
- USB 2.0

Functions
- Real-time clock
- Temperature sensor Optional GPS
- Optional TPM

Power Supply
- External brick

Operating System
- Marvell 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

ORDERING INFORMATION	
Part Number	**Description**
Tahoe8718-CN7020-800	Tahoe 8718 with OCTEON III CN7020 at 800 MHz

DIMENSIONS		
	Inches	**Millimeter**
Length	5.25	133
Height	1.73	44
Width	6.75	171

CUSTOMIZATION SERVICES

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

Marvell and OCTEON III are registered trademarks of Marvell.

ABOUT INTERFACE MASTERS TECHNOLOGIES, INC.

Interface Masters Technologies is a 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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