

## Interface Masters



### OVERVIEW

Tahoe 8720 from Interface Masters Technologies is a compact, fan-less, and highly flexible networking appliance designed for SOHO and branch office installations. The processor complex is built on a Marvell CN70xx and CN71xx processor. It features low power consumption, a small form factor, and five RJ45 ports for 10/100/1000 Ethernet. One Ethernet port is POE enabled to power external devices. A mini USB port can be used for console operation. This unit comes with an optional GPS port & 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 Levels 1 and 2 supports 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.



### 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 Flash
- eMMC
- Micro SD

#### I/O Interfaces

- Five Ethernet 10/100/1000
- One Ethernet port with POE
- USB 2.0
- USB 3.0
- Two Mini PCI-e

#### Functions

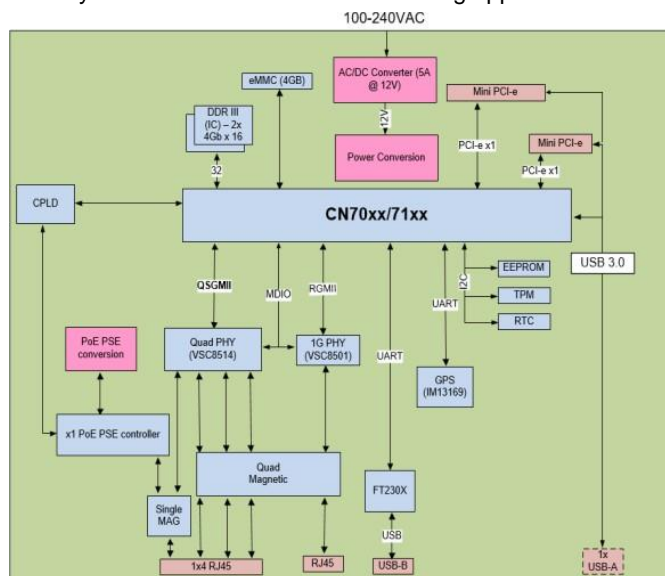
- Real-time clock
- Temperature sensor
- Optional GPS
- Optional TPM
- Wi-Fi
- LTE

#### Power Supply

- Internal (built-in)

#### Operating System

- Linux Marvell SDK



Block Diagram of Tahoe 8720

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

ORDERING INFORMATION	
Part Number	Description
Tahoe8720-CN7020-800	Tahoe 8720 with OCTEON III CN7020 at 800 MHz

DIMENSIONS		
	Inches	Millimeter
Length	9.44	240
Height	1.77	47
Width	5.82	148

## 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.