**Interface Masters**
TECHNOLOGIES
*Innovative Network Solutions*

## OVERVIEW

Interface Masters presents Tahoe 2987, a highly-flexible switching appliance based on Marvell's Bobcat III switch fabric managed by an Intel x86 control plane.   This OpenSwitch compatible white box system includes a fully-featured control plane stack with Layer 2 and Layer 3 networking protocol support.  Tahoe 2987's design is optimized for operational efficiency and supports rapid roll-out of new services.  The solution offers significant CapEx savings through open source as well as OpEx savings through network automation.  Available software services help customers manage the switches like servers based on leading-industry software and hardware.  The Tahoe 2987 is designed to be compatible with standard 19" enterprise rack specifications.

The Tahoe 2987 is designed for maximum performance in a 1U form factor and supports up to 48 ports of 10GbE and 4 ports of 40/100GbE.  Software configurations include white box with ONIE and a complete SDK tools for custom development.  Open Flow and software partner solutions available.
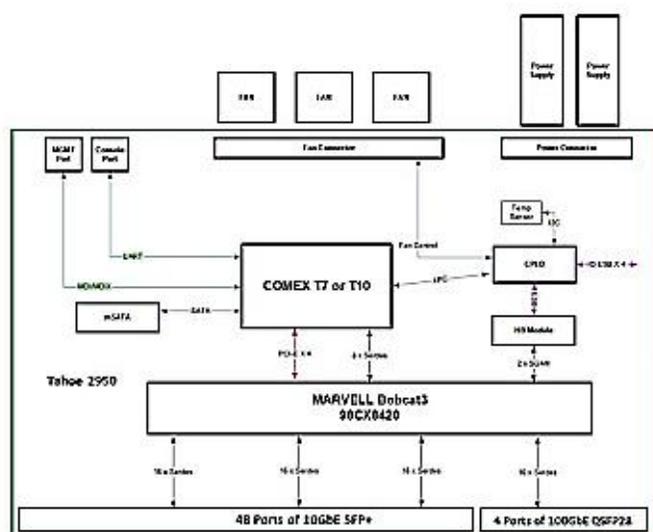
Interface Masters proudly designs and manufactures all products in the USA.



*Tahoe 2987 OpenSwitch Platform (ISO View)*

## PRODUCT FEATURES

- Marvell Bobcat III switch fabric
- Intel x86 powerful control plane
- 48 ports of 10/25GbE SFP28
- 4 ports of 40/100GbE QSFP28
- OpenSwitch compatible white box
- Each port supports a variety of SFP modules/cables: SFP+ SR/LR/ER/SX/LX/TX and direct cabling.
- Standard Trusted Platform Module on motherboard.
- IEE-1588 PTP support.
- Dual-redundant hot-swap power supplies
- High-efficiency power supplies (AC/DC or DC/DC)
- Field replaceable fans (multiple airflow options)
- Dedicated RS-232 console port
- Dedicated 10/100/1000 management port
- Optional security (FIPS, GPS, tamper proofing)
- ONIE operating system
- Complete SDK tools for custom development
- FCC class A, CE, RoHS/REACH compliance

## Target Applications

- Campus, Enterprise, SMB, Industrial, Carrier Ethernet applications
- Datacenter switching applications
- IP-DSLAMs, blade servers
- Managed Ethernet switches
- Intelligent switching at the access/edge of campus networks



*Block Diagram of Tahoe 2987*

| ENVIRONMENTAL | |
|---|---|
| Operating Temperature | 0º to 40 ºC (32º to 104ºF) |
| Storage Temperature | -20º - 65ºC (-4ºF to 149ºF) |
| Operating Humidity | 5 to 85%, non-condensing |
| Airflow | 100+lf/m |

| ORDERING INFORMATION | |
|---|---|
| **Part Number** | **Description** |
| Tahoe 2987 | Advanced Switching Appliance. OpenSwitch compatible white box with 48 ports 10/25GbE & 4 ports 40/100GbE. Marvell Bobcat III switch fabric, Intel x86 powerful control plane. |

| DIMENSIONS (Preliminary) | | |
|---|---|---|
| | **Inches** | **Millimeter** |
| Length | 19.5 | 495.3 |
| Height | 1.72 | 43.7 |
| Width | 17.3 | 439.0 |

| POWER CONSUMPTION | |
|---|---|
| Typical | Maximum |
| TBD | 240W (Estimated) |

## CUSTOMIZATION SERVICES

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

## 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 located in San Jose, CA with satellite offices in Hong Kong and Europe.

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