Interface Masters Technologies presents Tahoe 8822, a highly flexible and expandable 1U networking appliance with the lowest OPEX. It is based on Cavium 64-bit ARMv8 technology. It supports DPDK for applications that require highly efficient data processing. Tahoe 8822 supports CN83xx family of processors. It features a small form factor, twelve 1/10GE SFP+ ports, an SD card, and two USB 3.0 host ports. Customization services are offered.

Interface Masters Technologies provide support for the Cavium SDK on multiple Linux distributions. Additional software and firmware enable rapid application development. Interface Masters offers Layer 1 and 2 supports as well as software application development capabilities.

Target Applications include:
- Network Security Appliances such as Unified Treat Management (UTM)
- Intrusion Detection System (IDS)
- Intrusion Prevention System (IPS)
- Intelligent Edge Appliance (IEA)
- Data Loss Prevention (DLP)
- Content Management System (CMS)
- Network Offload Assist
- SSL/IPSec offload processing
- WAN optimization
- Application Delivery Controllers
- Custom Networking Appliance

**PRODUCT FEATURES**

**CPU**
- Cavium OCTEON TX CN8360 (18 Core at 800/1,000/1,200/1,500 MHz)

**DRAM**
- Two of DDRIII SODIMM, up to 16GB ECC

**Non Volatile Memory**
- SPI NOR Flash
- eMMC
- SATA 3.0

**I/O Interfaces**
- 12 x 1/10GE SFP+ ports
- 1 x 10/100/1000 management port
- 1 x RS232 console port
- 2 x USB 3.0

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

**Power Supplies**
- Two internal redundant power supplies

**Operating System**
- Linux Cavium SDK
**ENVIRONMENTAL**

<table>
<thead>
<tr>
<th>Operating Temperature</th>
<th>0º to 40 ºC (32º to 104ºF)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Storage Temperature</td>
<td>-40º - 85ºC (-4ºF to 185ºF)</td>
</tr>
<tr>
<td>Operating Humidity</td>
<td>10 to 90%, relative humidity non-condensing</td>
</tr>
<tr>
<td>Storage Humidity</td>
<td>5 to 95% relative humidity non-condensing</td>
</tr>
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</table>

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tahoe8822-CN8360-800</td>
<td>Tahoe 8822 with OCTEON TX CN 8360 at 800 MHz</td>
</tr>
<tr>
<td>Tahoe8822-CN8360-1,000</td>
<td>Tahoe 8822 with OCTEON TX CN 8360 at 1,000 MHz</td>
</tr>
<tr>
<td>Tahoe8822-CN8360-1,200</td>
<td>Tahoe 8822 with OCTEON TX CN 8360 at 1,200 MHz</td>
</tr>
<tr>
<td>Tahoe8822-CN8360-1,500</td>
<td>Tahoe 8822 with OCTEON TX CN 8360 at 1,500 MHz</td>
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</table>

**DIMENSIONS**

<table>
<thead>
<tr>
<th></th>
<th>Inches</th>
<th>Millimeter</th>
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</thead>
<tbody>
<tr>
<td>Length</td>
<td>10.00</td>
<td>254</td>
</tr>
<tr>
<td>Height</td>
<td>1.73</td>
<td>44</td>
</tr>
<tr>
<td>Width</td>
<td>7.50</td>
<td>190</td>
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</table>

**OPTIONAL ACCESSORIES**

<p>| | |</p>
<table>
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<tr>
<th></th>
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</thead>
<tbody>
<tr>
<td>Tahoe8822-ACS02</td>
<td>19” Rack mounting tray</td>
</tr>
</tbody>
</table>

**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 long term Cavium partner and 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.