

Interface Masters



Innovative Network Solutions

OVERVIEW

Interface Masters Technologies presents Tahoe 8840, a 1U Artificial Intelligence Accelerated Computing Platform based on the venerable AMD MILAN EPYC 7003 CPU (16 to 64-cores, up to 3.675GHz clock speed), and supports four (4) 100G and sixteen (16) 10/25G ports.

A Special Function Module (SFM) supports off-the-shelf NVIDIA GPUs and DataSlammer® Intel XEON-D class CPU module.

Full signal integrity, power integrity and thermal validations completed during development using ANSYS® simulation software and proprietary AMD® tools.

Software configurations include white box with ONIE SDK and a complete hardware specific SDK tool set for custom development. All BIOS and BMC support preconfigured prior to shipment and includes bifurcation support for the NVIDIA GPU and Intel based ComExpress modules.



Tahoe 8840 (ISO View)

PRODUCT FEATURES

Industry-Leading AMD MILAN EPYC 7003 CPU

- 16 to 64-Cores (3.0GHz base clock, 3.675GHz max)
- Maximum 2048G memory (16x 256G DDR4)
- Up to 4TB storage

High-Performance AI Offload Processing Modules

- DataSlammer® Intel XEON-D class CPU module.
- Off-the-shelf NVIDIA GPU offload module

Ports

- Four (4) QSFP28 40/100G ports
- Sixteen (16) SFP28 10/25G ports

Dual Redundant power supplies (AC or DC)

- High-efficiency power supplies (AC/DC or DC/DC)

Management Interfaces ,

- Dedicated Console and Management ports

Security

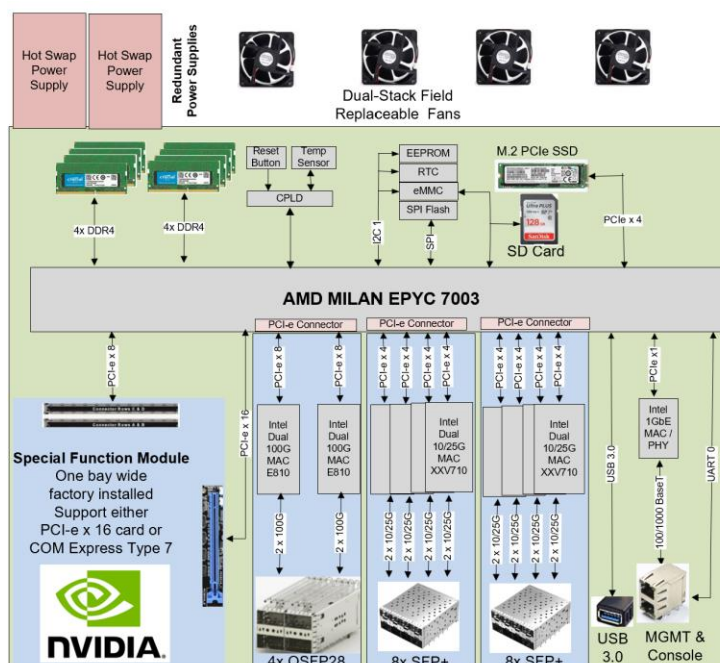
- Standard Trusted Platform Module (TPM)
- Proudly US designed and manufactured

Other

- Standard IEEE-1588 PTP support
- ANSYS thermal modeling optimization ensures optimal airflow and minimum internal turbulence

SOFTWARE

- All BIOS and BMC support preconfigured prior to shipment and includes bifurcation support for the NVIDIA GPU and Intel based ComExpress modules
- SDK with complete hardware specific tools



Tahoe 8840 Block Diagram

ENVIRONMENTAL	
Operating Temperature	-5° to + 45°C (23°F to 113°F)
Operating Humidity	5 to 95%, non-condensing

DIMENSIONS		
	Inches	Millimeter
Length	21.95	557.53
Height	1.75	44.45
Width	16.80	426.72

STANDARD ACCESSORIES	
TAC8840	Rack Mounting Ear
MCC05	Management and console cabling

PRELIMINARY POWER CONSUMPTION	
Typical	Maximum
460W	985W

ORDERING INFORMATION	
Part Number	Description
T8840-AC	Tahoe 8840 switching appliance supporting four (4) ports of 100G, 16 ports of 10/25G, AMD 64-Core CPU (3.675 GHz maximum clock), 8x256GB RAM (3200mt/s), 2x2TB NVME SSD storage, redundant AC power supplies and field replaceable fans. Optional NVIDIA GPU or INTEL CPU offload.
T8840-DC	Tahoe 8840 switching appliance supporting four (4) ports of 100G, 16 ports of 10/25G, AMD 64-Core CPU (3.675 GHz maximum clock), 8x256GB RAM (3200mt/s), 2x2TB NVME SSD storage, redundant DC power supplies and field replaceable fans. Optional NVIDIA GPU or INTEL CPU offload.
T8840-AC2	Tahoe 8840 switching appliance supporting four (4) ports of 100G, 16 ports of 10/25G, AMD 32-Core CPU (3.7GHz maximum clock), 8x256GB RAM (3200mt/s), 2x2TB NVME SSD storage, redundant AC power supplies and field replaceable fans. Optional NVIDIA GPU or INTEL CPU offload.
T8840-DC2	Tahoe 8840 switching appliance supporting four (4) ports of 100G, 16 ports of 10/25G, AMD 32-Core CPU (3.7GHz maximum clock), 8x256GB RAM (3200mt/s), 2x2TB NVME SSD storage, redundant AC power supplies and field replaceable fans. Optional NVIDIA GPU or INTEL CPU offload.

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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 1/10/25/40/100/200/400 Gigabit Ethernet networking solutions. For 28 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.