

Interface Masters

TECHNOLOGIES
Innovative Network Solutions

OVERVIEW

Tahoe 8522 is a powerful desktop (1U mounting option) networking appliance designed for high-security applications requiring significant bandwidth.

The value-optimized Intelligent Edge Appliance (IEA) is based on a NXP / Freescale LX2160A with Integrated QorIQ and PTP. The LX2160A offers significant space, weight and power benefits comparing to multiple discrete devices, and is offered in a desktop form factor with 1U mounting option.

Target applications include Network Security Appliance, Unified Threat Management (UTM), Intrusion Prevention Systems (IPS), Intelligent Edge Appliance (IEA), Intrusion Detection Systems (IDS) and Data Loss Prevention (DLP).

Interface Masters Technologies provides support for the LINUX distribution, Machine Learning engine, and QorIQ layerscape. Additional software and firmware enables rapid application development. Interface Masters Technologies offers level 1 and 2 support as well as software application development capabilities.



Tahoe 8522 (ISO View)

PRODUCT FEATURES

NXP / Freescale QorIQ

- NXP LX2160A with Integrated QorIQ
 - 16 cores @ 2.2GHz

I/O Interfaces

- 6 x 1/10/25G SFP 28
- 2 x 1/10G SFP+
- 1 x 10/100/1000 management port
- 1 x RS232 console port
- 2 x USB 3.0

Functions

- Standard IEEE-1588 PTP
- Real time clock, temperature sensor
- Optional TPM
- Edgescale scalable/secure edge device management

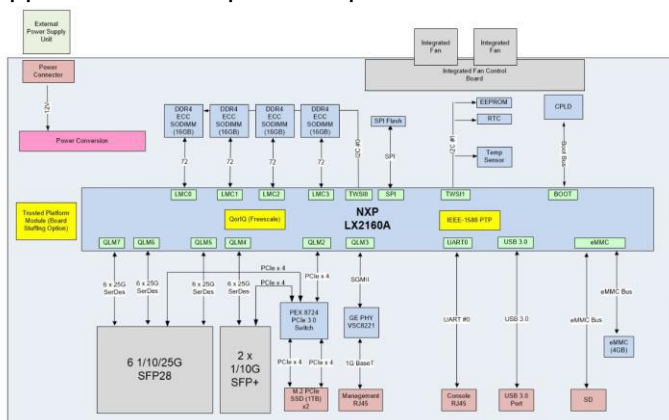
Other

- External power supply (two-barrel connector)
- Integrated fans
- Desktop version standard, available mounting options:
 - 821 rackmount adapter bracket
 - Mounting ears
- Operating System: Linux NXP SDK
- Full RoHS compliance, FCC class A and CE certification

- 1U mounting options

Optional Additional Security

- Optional FIPS compliance (all levels)
- Optional GPS receiver



Block Diagram of Tahoe 8522

ENVIRONMENTAL	
Operating Temperature	0° to 45 °C (32° to 113°F)
Storage Temperature	-20° - 65°C (-4°F to 149°F)
Operating Humidity	5 to 85%, non-condensing
Airflow	200+LF/m

DIMENSIONS (Preliminary)		
	Inches	Millimeter
Length	9.96	253.0
Height	1.69	43.0
Width	12.6	320.0

POWER CONSUMPTION	
Typical	Maximum
TBD	300W

ORDERING INFORMATION	
Part Number	Description
Tahoe 8522	Value-Optimized base system Tahoe 8522 with 6 x 1/10/25G SFP28 and 2 x 1/10G SFP+. NXP / Freescale LX2160A QorIQ (16 Core 2200MHz) CPU, 64GB
Tahoe 8522-ACS01	Mounting ears
Tahoe 8522-ACS01	821 rackmount adapter bracket

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.