TNS-100 Datasheet

Industrial 2.5G 6-port Layer-2 PoE Switch

Learn more at www.tachyon-networks.com

Overview

The TNS-100 is an industrial temperature rated, VLAN-aware, Layer 2 data and power distribution switch. The TNS-100 features an optional mounting adapter for applications requiring DIN rail installation.

The TNS-100 has a total of 6 ports:

- 4x 2.5Gbps NBASE-T ports with software controlled PoE out (max of .8A per port)
- 1x 2.5Gbps NBASE-T port with PoE in (max of 1A)
- 1x 10Gbps SFP+ port

The PoE in port can be used for powering the device as well as powering devices on the PoE out ports, and for applications requiring more than 1A of power, there is a DC barrel jack that can be used with an optional power adapter to supply up to 4A of power.

Management of the TNS-100 is provided via a web interface, SNMP, or RESTful API to give very flexible options for different applications. Management VLANs are also supported as well as VLAN access & trunking.

HARDWARE SPECS

PoE In Ports	1x 2.5Gbps w/ PoE in (24-57V/1A max)
PoE Out Ports	4x 2.5Gbps w/ software controlled passive PoE out
PoE Out Specs	48V/.8A per port max passive PoE (4-pairs, positive: 1/2 & 4/5, negative: 3/6 & 7/8)
SFP+ Ports	1x 10Gbps SFP+ port
DC Input	1x DC 2.5/5.5mm barrel jack (24-57V/4A max)
Mechanical	5.24" x 6" x 1", 1.57lb (133mm x 152mm x 27mm, 710g)
Mounting	Desktop or DIN Rail (mount included)
Environmental	-30ºC to 50ºC (-22ºF to 122ºF)
Power Consumption	6W without attachments, 160W total with attachments and PoE out on all ports
Certifications	FCC / IC / CE

SOFTWARE & MISC SPECS

Management	Web UI, SNMP (v2c and v3 with traps), RESTful API
VLANs	Management VLAN, access & trunking VLAN support
Tools	Traceroute, Ping, Ping6, & Device Discovery
PoE	Software configurable Passive PoE-out with power cycle feature
Networking	IPv4 (static and DHCP) and IPv6 management IPs supported
Services	NTP, LLDP, CDP, MNDP, Syslog (local /remote), Ping Watchdog
Boot banks	Dual boot banks