

Tahoe 2924-24TG

48 Port Hybrid Managed Switch

24 ports 10 Gigabit SFP+ and 24 ports 1 Gigabit RJ48 Copper

Product Brief

Interface Masters

TECHNOLOGIES

Innovative Network Solutions

OVERVIEW

Plug and Play

Tahoe 2924-24TG is a 48-port hybrid managed switch consisting of 24 ports of 1 Gigabit Copper and 24 ports of SFP+ Fiber. The Tahoe 2924-24TG is an advanced switching and routing system providing Layer 2 switching, IP v4/v6 routing, QoS support and management capabilities. The system is built for optimal flexibility enabling high port 1G copper media configuration and connectivity to 10GE or 1GE networks via SFP+ or SFP connectors. The unit's management functionality can be utilized via an extensive web GUI or CLI which enables flexibility and multiple configurations. The Tahoe 2924-24TG is designed to integrate with UTM, Firewall, WAN Acceleration, QoS, IPS, IDS and Enterprise and Datacenter IT security appliances.

The system is based on Marvell Prestera switch family supporting 1GE and 10GE technology with multiple ports.



Tahoe 2924-24TG (ISO View)

KEY FEATURES

- 24 Ports with support for RJ45 1 Gigabit Copper
- Up to 24 ports with 10 Gigabit SFP+ support for flexible configuration (can support 1G SFP)
- Dual Redundant Internal power supplies for maximum reliability
- The system supports front to back and back to front airflow which is factory configurable
- Dedicated Management Port (10/100/1000 support)
- Dedicated Console Port (Serial support)

Advanced Management Features

- Extensive CLI and WEB based management
- SSH and HTTPS for secure Management
- TACACS+ authentication client
- Syslog client
- SNMP traps on defined events
- E-mail notification on defined events
- SNTP Client
- NTP support
- RMON Support
- Chassis Management
- Traffic Mirroring Capabilities
- TCP/IP stack and DHCP for IPv4 and IPv6
- Switch Stacking
- RoHS Compliant
- EMC, FCC Class A, UL (Safety) Certifications

Basic Layer 2 Switching

- Transparent bridging
- VLAN aware bridging with GARP, GVRP, GMRP
- Rapid Spanning Tree Protocol
- Multiple Spanning Tree Protocol
- Per VLAN Rapid Spanning Tree Protocol
- IGMP snooping, IGMP filtering and IGMP Proxy
- MLD snooping
- Link Aggregation with LACP
- 802.1x authentication
- Link Layer Discovery Protocol (LLDP)
- Ethernet OAM – 802.3ah
- Multiple Registration Protocol

QoS (Note: dependent on silicon support)

- ACLs (Access Control Lists) for traffic filtering
- 802.1p, DiffServ, traffic prioritization queuing, policing, shaping
- Rate limiting and storm control
- Flow control and priority flow control
- Enhanced transmission selection

Routing

- IPv4 unicast and multicast
- IPv4 NAT (Network Address Translation)
- IPv6 unicast and multicast
- Route redistribution between IPv4 routing protocols and static routes
- Route maps for filtering route advertisements and route redistribution – IPv4 and IPv6
- IPv6 tunneling over IPv4
- Graceful restart for BGP, BGP4+, IS-IS, OSPFv2, OSPFv3
- Hot standby redundancy for OSPFv2, OSPFv3, PIM for IPv4/v6
- Virtual routing with IPv4/v6 static routing, OSPFv2/v3, ISIS for IPv4, RIPv2
- VRRP for router redundancy

Target Applications

The comprehensive feature set is well suited for a range of applications including:

- Carrier Ethernet and Metro Ethernet devices
- Datacenter switching applications
- IP-DSLAMs, blade servers
- Managed Ethernet switches
- MTU or MDU premises switches
- WLAN Switches, optical switches

Advanced Layer 2 Switching, MPLS / VPLS

- Q-in-Q VLAN tunneling and Provider bridging
- MPLS – static LSPs, LDP, RSVP-TE, PWE3 VCs for L2 VPNs

Highly Reliable

TAHOE 2924-24TG utilizes two redundant internal power supplies for maximum reliability.

TAHOE 2924-24TG utilizes advanced design and power efficiency techniques for optimal operation

CUSTOMIZATION SERVICES

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



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.

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ENVIRONMENTAL	
Operating Temperature	0° to 40 °C (32° to 104°F)
Operating Humidity	5 to 85%, non-condensing
Maximum Power Consumption	51W
Airflow	100 LFM

DIMENSIONS		
	Inches	Millimeter
Length	16.75	425.45
Height	1.75	44.45
Width	16.75	425.24

Ordering Information	
Part Number	Description
Tahoe 2924-24TG	24 port 1G RJ45 Copper and 24 ports 10 Gigabit SFP+ Managed switch
Tahoe 2916-24TG	24 port 1G RJ45 Copper and 16 ports 10 Gigabit SFP+ Managed Switch
Tahoe 2908-24TG	24 port 1G RJ45 Copper and 8 ports 10 Gigabit SFP+ Managed Switch