

Not Recommended for new deployment

Replacement to TAHOE 2948-6XL

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TAHOE 2924-24TG

48 Port Hybrid Managed Switch

24 ports 10 Gigabit SFP+ and 24 Ports Gigabit RJ45 Copper

Product Brief

OVERVIEW

Plug and Play

TAHOE 2924-24TG is a 48-port hybrid managed switch consisting of 24 ports of 10 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.



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
- SNMP 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

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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, IS-IS 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.

ABOUT INTERFACE MASTERS TECHNOLOGIES, INC.

Interface Masters Technologies is a leading provider of Switches, Smart NICS and full custom appliances focused on Gigabit, 10 Gigabit, 40 Gigabit and 100 Gigabit Ethernet. For over 20 years, Interface Masters has been providing innovative networking solutions with customization services. Interface Masters is an OCP member and has contributed multiple white box designs to the project while supporting customer SDN development. Interface Masters OCP switches can be modified according to customer requirements and are provided with complete SDK and source code required to support software development. All products are designed and manufactured in San Jose, CA.

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ENVIRONMENTAL

Operating Temperature	0 to 40 °C
Operating Humidity	5 to 95%
Maximum Power Consumption	51W
Airflow	100 LFM

DIMENSIONS

	Inches	Millimeter
Length	16.75	425.45
Height	1.75	44.45
Width	16.75	425.45

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

* Please contact factory for more information

CUSTOMIZATION SERVICES

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

