

Not recommended for new deployment

Replacement to TAHOE 2948-6XL

Interface Masters

TECHNOLOGIES

Innovative Network Solutions

TAHOE 2924TX-24TG

48 Port Hybrid Managed Switch

24 Port 10GBASE-T Copper and 24 ports RJ45 1G Copper

Product Brief

OVERVIEW

Plug and Play

TAHOE 2924TX-24TG is a 24 port 10GBASE-T Copper and 24 ports RJ45 Copper managed Layer 2-4 Switch. The TAHOE 2924TX-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 10BASE-T copper media configuration which can support 1G RJ45 as well and connectivity to an additional 24 1GE RJ45 copper ports. The unit's management functionality can be utilized via an extensive web GUI or CLI which enables flexibility and multiple configurations. The TAHOE 2924TX-24TG is designed to integrate with UTM, Firewall, WAN acceleration, QoS, IPS, IDS and enterprise and datacenter IT security appliances.



KEY FEATURES

- Up to 24 ports with support for 10GBASE-T Copper (which can support 1G RJ45 Copper)
- Additional 24 ports with support for RJ45 1G Copper
- Dual redundant hot-swappable 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

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

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

ENVIRONMENTAL

Operating Temperature	0 to 40 °C
Operating Humidity	5 to 95%
Maximum Power Consumption	230W
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 2924TX-24TG	24 port RJ45 1G Copper and 24 ports 10GBASE-T Copper managed switch
TAHOE 2916TX-24TG *	24 port RJ45 1G Copper and 16 ports 10GBASE-T Copper managed switch
TAHOE 2908TX-24TG *	24 port RJ45 1G Copper and 8 ports 10GBASE-T Copper managed switch
TAHOE 2904TX-24TG *	24 port RJ45 1G Copper and 4 ports 10GBASE-T Copper managed switch

* Please contact SALES for more information

CUSTOMIZATION SERVICES

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



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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Rev A

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