Netgear GS748Tv5 48-Port Gigabit Ethernet Smart Switch With 2 Dedicated SFP Ports

Product Images   **Product Code: C04-3832**

Short Description

NETGEAR Smart Switches offer powerful L2 and L2+/Layer 3 Lite features, better PoE functionality, and enhanced performance and usability.

Hardware Features

Dedicated SFP Fibre Uplinks

• Dedicated SFP ports provides fibre uplinks without sacrificing any downlink Gigabit port. Up to 4 SFP ports provide not only redundant uplinks, but can also build dual redundancy bya trunked uplink with link aggregation and failover, the dual-redundancy, a powerful design for the network virtualisation

Energy Efficient Ethernet (IEEE802.3az)

• Maximum power reduction for onging operational cost saving

Software Features

Dynamic VLAN Assignment

• IP phones and PCs can authenticate on the same port but under different VLAN assignment policies. Users are free to move around and enjoy the same level of network access regardless of their physical location in the network

Static Routing

• A simple way to provide segmentation of the network with internal routing through the switch – reserving the router for external traffic routing only, making the entire network more efficient

Comprehensive IPv6 Support for Management, ACL and QoS

• Build current network with future in mind. Ensure investment protection and a smooth migration to IPv6-based network without switch replacement

IGMP Snooping and MLD Snooping

• Facilitate fast receiver joins and leaves for multicast streams. Save cost and improve network efficiency by ensuring multicast traffic only reaches designated receivers without the need of an extra multicast router.

Robust Security Features:

• 802.1x authentication

• DHCP Snooping

• Port-based security by locked MAC

• ACL filtering to permit or deny traffic based on MAC and IP addresses

• Build a secured, converged network with all types of traffic by preventing external attacks and

blocking malware while allowing secure access for authorised users

<u>Auto Voice and Auto Video</u>

• Automatic Voice over IP prioritisation with Auto-VoIP simplifies most complex multi-vendor IP telephone deployments either based on protocols (SIP, H323 and SCCP) or on OUI bytes (default database and user-based OUIs) in the phone source MAC address; providing the best class of service to VoIP streams (both data and signaling) over other ordinary traffic by classifying traffic, and enabling correct egress queue configuration.

When deployed IP phones are LLDP-MED compliant, the Voice VLAN will use LLDP-MED to pass on the VLAN ID, 802.1P priority and DSCP values to the IP phones, accelerating convergent deployments.

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