UTC Fire & Security
A United Technologies Company

NS3500-28T-4S

28-Port Gigabit + 4 SFP Slots Managed Switch

Overview

The UTC Fire & Security NS3500-28T-4S series is a Layer 2 managed gigabit switch designed to handle extremely large amounts of data.

The powerful features of QoS and network security make this series an effective solution for data traffic control for IP CCTV and multicast applications. In addition, this switch is ideal for the core layer of campus, enterprise networks and the aggregation layer of large IP Systems.

Designed for various networking applications, the NS3500-28T-4S provides 28 Gigabit Ethernet ports with 4 shared Mini-GBIC/SFP slots. Boasting high-performance architecture provides these switches of non-blocking switch fabricand full wire-speed throughput as high as 56Gbps, these units simplify LAN upgrades that can increase bandwidth demands.

Easy and Friendly Traffic Control

UTC Fire & Security NS3500-28T-4S series is loaded with powerful but easy traffic management and QoS features to enhance services offered by telecoms. The QoS configuration can be set up easily and quickly via Web interface.

The NS3500-28T-4S also empowers the enterprises or campus to take full advantages of the limited network resources and guarantees the best performance IP CCTV transmission.

Efficient Management

For efficient management, the NS3500-28T-4S series managed gigabit switch is equipped with console, WEB and SNMP management interfaces. With the built-in Web-based management interface.

The NS3500-28T-4S offers an easy-to-use, platform-independent management and configuration facility. The Simple Network Management Protocol (SNMP) and can be managed via any standard-based management software, moreover, the NS3500-28T-4S offers secure remote management by a SNMPv3 connection which encrypts the packet content at each session. The NS3500-28T-4S can also be accessed via telnet.

Standard Features

- 28-Port 10/100/1000Base-T Gigabit Ethernet RJ-45
- 4x mini-GBIC/SFP slots, shared with Port-25 to Port-28 and compatible with S2x and S3x
- Port Mirroring (many-to-1)
- QoS with 8 priority queues on all switch ports
- IGMP Snooping v1, v2 and v3, Querier mode support
- MAC-based network access authentication
- WEB-based management
- SNMP v1, v2c and v3

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Specifications

Hardware Specification

Copper Ports :	28x 10/100/1000Base-T RJ-45 Auto-MDI/MDI-X ports
SFP/Mini-GBIC Slots :	4x SFP interfaces, shared with Port-25 to Port-28, compatible with 1000Base-SX/LX and 100Base-FX SFP transceiver compatible
Switch Processing Scheme :	Store-and-Forward
Switch Fabric :	56Gbps / non-blocking
Address Table :	8K entries
Share Data Buffer :	4.1 megabits
Flow Control :	IEEE 802.3x Pause Frame for Full-Duplex, Back pressure for Half-Duplex
Jumbo Frame :	10KBytes
LED :	System: Power, 1000 Link/Act, 100 Link/Act, SFP Link
Dimension :	440 x 200 x 44.5 mm, 1U height
Weight :	2.69 KG
Power Consumption :	Max. 21.4 Watts
Power Requirement :	AC 100~240V, 50/60Hz Auto-sensing
ESD Protection :	6KV DC

Layer 2 function

Basic Management Interfaces :	Console, Telnet, Web Browser, SNMPv1, v2c
Secure Management Interfaces :	SSH, SSL, SNMP v3
Port configuration :	Port disable/enable; Auto-negotiation 10/100/1000Mbps full and half duplex mode selection; Flow Control disable/enable on each port; Bandwidth control per port
VLAN :	802.1Q Tagged Based VLAN; Port-Based VLAN; Q-in-Q; Private VLAN Edge (PVE); Up to 256 VLAN groups, out of 4094 VLAN ID's
Spanning Tree Protocol :	IEEE 802.1D Spanning Tree; IEEE 802.1w Rapid Spanning Tree; IEEE 802.1s Multiple Spanning Tree; Up to 8x MST instances
Link Aggregation :	IEEE 802.3ad LACP / Static Trunk; Support 8 groups of 8-Port trunk support
QoS :	Traffic classification based, Strict priority and WRR; 8-level priority for switching (Port Number, 802.1p priority, 802.1Q VLAN tag); DSCP / TOS field in IP Packet Policy-Based QoS
IGMP Snooping :	IGMP (v1/v2) Snooping, up to 256 multicast Groups; IGMP Querier mode support
Access Control List :	IPv4 / IPv6 IP-based ACL / MAC-based ACL
SNMP MIBs :	RFC-1213 MIB-II; IF-MIB; RFC-1493 Bridge MIB; RFC-1643 Ethernet MIB; RFC-2863 Interface MIB; RFC-2665 Ether-Like MIB; RFC-2737 Entity MIB; RFC-2618 RADIUS Client MIB;
SNMP MIBs :	RFC-2933 IGMP-STD-MIB; RFC3411 SNMP-Frameworks-MIB; IEEE802.1X PAE; LLDP; MAU-MIB

Environment Specification

Operating Temperature :	Temperature: 0º ~ 50º C
Operating Humidity :	Relative Humidity: 0% ~ 95% (non-condensing)
Storage Temperature :	Temperature: -20º ~ 70º C
Storage Humidity :	Relative Humidity: 0% ~ 95% (non-condensing)

Standards Conformance

Standards Compliance :	IEEE 802.3 10Base-T
Standards Compliance :	IEEE 802.3u 100Base-TX/100Base-FX
Standards Compliance :	IEEE 802.3z Gigabit SX/LX
Standards Compliance :	IEEE 802.3ab Gigabit 1000Base-T
Standards Compliance :	IEEE 802.3x Flow Control and Back pressure
Standards Compliance :	IEEE 802.3ad Port trunk with LACP
Standards Compliance :	IEEE 802.1d Spanning Tree Protocol
Standards Compliance :	IEEE 802.1w Rapid Spanning Tree Protocol
Standards Compliance :	IEEE 802.1s Multiple Spanning Tree Protocol
Standards Compliance :	IEEE 802.1p Class of Service
Standards Compliance :	IEEE 802.1Q VLAN Tagging
Standards Compliance :	IEEE 802.1x Port Authentication Network Control

Standards Compliance :	IEEE 802.1ab LLDP
Standards Compliance :	RFC 768 UDP
Standards Compliance :	RFC 793 TFTP
Standards Compliance :	RFC 791 IP
Standards Compliance :	RFC 792 ICMP
Standards Compliance :	RFC 2068 HTTP
Standards Compliance :	RFC 1112 IGMP version 1
Standards Compliance :	RFC 2236 IGMP version 2
Regulation Compliance :	FCC Part 15 Class A, CE
Safety :	UL, cUL

Ordering Information

Part No.	Description
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