Zyxel ES3500-24HP 24-port FE L2 PoE Switch with GbE Uplink

Product Name: Zyxel ES3500-24HP 24-port FE L2 PoE Switch with GbE Uplink

Manufacturer: -

Model Number: ES3500-24HP

Zyxel ES3500-24HP 24-port FE L2 PoE Switch with GbE Uplink
The ZyXEL ES3500-24HP is specifically designed for small and medium-sized businesses to deliver valuable Ethernet services to customers and employees. With Gigabit SFP uplinks and robust access control functions, businesses can easily extend network topologies and fulfill different customer needs. The ES3500-24HP features 24 IEEE 802.3at PoE Plus ports.
Zyxel ES3500-24HP 24-port FE L2 PoE Switch with GbE Uplink Key Features

• 16 K MAC address table
• Policy-based QoS optimizes multi-service quality
• IGMP snooping v1, v2, v3, MVR
• Multilayer (L2/L3/L4) ACL suite for security protection
• High redundancy and resilient architecture with RSTP and port trunking
• IPv6 management support
• IEEE 802.3at PoE Plus standard (ES3500-24HP)
• Enhanced energy efficiency with PoE consumption mode (ES3500-24HP)

Zyxel ES3500-24HP 24-port FE L2 PoE Switch with GbE Uplink - Technical Specifications
Standard Compliance

• IEEE 802.3 10BASE-T Ethernet
• IEEE 802.3u 100BASE-TX Ethernet
• IEEE 802.ab 1000BASE-T Ethernet
• IEEE 802.3z 1000BASE-X
• IEEE 802.3x flow control
• IEEE 802.1d spanning tree protocol
• IEEE 802.1w rapid spanning tree protocol
• IEEE 802.1s multiple spanning tree protocol
• IEEE 802.1p class of service, priority protocols
• IEEE 802.1Q VLAN tagging
• IEEE 802.1X port authentication
• IEEE 802.3ad LACP aggregation
• IEEE 802.3az Energy Efficient Ethernet (EEE)
• IEEE 802.3at (ES3500-24HP)
• IEEE 802.3af (ES3500-24HP/8PD)

Traffic Management and QoS

• Broadcast storm control
• IEEE 802.1p with 8 hardware priority queues per port for different types of traffic
• IEEE 802.1Q tag-based and port-based VLAN
• Weighted Fair Queuing (WFQ)/WRR/SPQ scheduling algorithm
• Policy based rate limiting
• Policy based bandwidth control
• Port based traffic shaping
• Policy-based traffic mirroring
• IGMP snooping (v1, v2, v3)
• IGMP filtering
• Jumbo frame support (9K Bytes) for high performance data backup or recovery services
• Support GVRP, automatic VLAN member registration
• Multicast VLAN Registration (MVR)

voipvn http://voip.com.vn

• Q in Q
• Selected Q in Q

Link Aggregation

• IEEE 802.3ad LACP link aggregation compliant
• Support static manually port trunking
• Up to 8 aggregation groups, 8 ports/per group randomly selected
• VLAN trunking

Network Resilience

• IEEE 802.1w Rapid Spanning Tree Protocol (RSTP) provides rapid convergence of spanning tree independent of spanning-tree timer
• IEEE 802.1s multiple spanning tree provides link availability in multiple VLAN environments by allowing multiple spanning trees
• MRSTP- Multiple RSTP

User Security and Authentication

• IEEE 802.1X authentication
• IP source guard (static IP/MAC binding, DHCP snooping, ARP inspection)
• IP subnet VLAN & VLAN isolation
• Limiting MAC number per port
• Loop guard prevents a switch from being affected by another switch which is already in a looping status
• MAC filtering per port secures access to each port
• MAC freeze
• Port security, port isolation, port mirroring
• Static MAC forwarding per port: only specified MAC addresses can access the network (port security)
• Wire speed filtering per MAC/IP/TCP/UDP
• Wire speed mirroring per MAC/IP/TCP/UDP
• Wire speed rate limiting per MAC/IP/TCP/UDP
• GVRP, automatic VLAN member registration
• Guest VLAN
• CPU protection
• PPPoE option 82

Network Administration and Security

• SSH v1/v2
• SSL
• RADIUS accounting
• TACACS+ authentication, accounting
• NTP, daylight saving

IPv6 Host

• IPv6 over Ethernet (RFC 2464)
• IPv6 Addressing Architecture (RFC 4291)
• Dual stack (RFC4213)
• ICMPv6 (RFC4884)
• Path MTU (RFC 1981)
• Minimum Path MTU size of 1280 (RFC 5905)

VoIPVn http://voip.com.vn

• Encapsulation for minimum PMTU of 1500
• Neighbor Discovery (RFC4861)
• DHCPv6 Relay/Client

Network Management

• Supports ZyXEL iStacking™, up to 24 switches can be managed by one IP address
• Intuitive Web-based management with all features configurable
• Text-based configuration profile for massive deployment
• Telnet CLI (Cisco like)
• SNMP v1, v2c, v3
• SNMP trap group
• RMON four RMON groups 1, 2, 3, 9 (history, statistics, alarms, and events) for enhanced traffic management, monitoring, and analysis
• Out-of-Band management: RS-232c local console
• Firmware upgrade, configuration backup/restore via ftp
• Alarm led indicator for early warning of hardware troubles
• Send system trap to trap server
• DHCP relay, DHCP relay per VLAN, DHCP relay option 82, DHCP client
• Port mirroring: supports source/destination/both port mirroring
• IEEE 802.3ah Ethernet Operations, Administration and Management (OAM)
• sflow

Intelligent ACL (L2/L3/L4 Access List Control)

• Based on port
• Based on MAC + VLAN ID
• Based on IP address (source/destination)
• Based on protocol type
• Based on TCP/UDP port number

MIB Information

• RFC1213 MIB II
• RFC1493 Bridge MIB
• RFC1643 Ethernet MIB
• RFC1757 RMON group 1, 2, 3, 9
• RFC2011 IP MIB
• RFC2012 TCP MIB
• RFC2013 UDP MIB
• RFC2233 ifVHC Packet Group
• RFC2674 VLAN MIB
• RFC2925 PING-MIB and TRACEROUTE-MIB
• ZyXEL private MIB
• Management Information Base (MIB) for IP (RFC4293)
• IP Forwarding Table MIB (RFC4292)
• Management Information Base for Transmission Control Protocol (RFC4022)
• Management Information Base for User Datagram Protocol (RFC4113)

Safety Agency Certification

• EN 55022: 2006+A1: 2007
• EN 61000-3-2
• EN 61000-3-3
• EN 55024

VOIPVn http://voip.com.vn

- AS/NZS CISPR 22: 2009
- FCC Part 15 (Class A, Class B)
- ICES-003
- BSMI (CNS13438, CNS14336)
- EN 60950-1

Price: £309.00

VoIPVn http://voip.com.vn