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?????????? (Switch, ????? ES3510-MA) L2 ES3510MA Edge-Core





8x10/100+2x10/100/1000 or SFP

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?????????????: Edge-Core

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Compact size design for space-saving deployment

Supports 4K VLAN

TCP friendly rate-limiting

Featuring Independent Multicast / Broadcast / Unknown Unicast Storm Control

Supports IPv6 Management features

Green Saving Technology detects number of active ports and cable length to save power consumption (Combo Gigabit ports only)

Product specification

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Dimension (HxWxD) cm3.6 x 19.7 x 11.6

Fixed Ports8 RJ-45 10/100Base-T +2 Combo Gigabit (RJ-45/SFP) +1 RS-232 DB-9 console port

Flash Memory16MB

Packet Buffer512KB

SDRAM for CPU64MB

Weight (kg)0.9kg

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Forwarding Rate3.97Mpps

MAC Address Table Size8K

Switching Capacity5.6Gbps

??????? L2

Flow ControlYes

IGMP Snoopingv1, v2

Jumbo FrameYes

Link AggregationIEEE 802.3ad with LACP (Dynamic), Static Trunk, Traffic Load Balancing

Multicast (IGMP) SnoopingQuerier Support, Immediate Leave, IGMP Filtering, IGMP Throtting, IGMP Leave Proxy, MVR Support

Spanning TreeIEEE 802.1D (STP), IEEE 802.1w (RSTP), IEEE 802.1s (MSTP), Spanning Tree Fast Forward, BPDU Filtering, BPDU Forward, Root Guard, Loopback Detection, Auto Edge Port

Storm ControlBroadcast, Multicast, Un-known Unicast

VLANIEEE 802.1Q Tagged Based, 802.1Q VLAN, Private VLAN, GVRP, IEEE 802.1v, Q-in-Q, MAC Based, IP Subnet VLAN, Port Based, Voice VLAN

VLAN Group256

QoS Features

CoSIEEE 802.1p, DSCP

DiffServ (RFC2474)Yes

H/W Queues4

Priority Queue SchedulingWRR, Strict Priority, Hybrid

Rate LimitingIngress, Egress

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ACLYes

ACL L2/L3/L4Yes

DHCP SnoopingYes

Dynamic ARP inspection (DAI)Yes

HTTP and SSL (Secured Web)Yes

IEEE 802.1xPort-based, MAC-based, VLAN Assignment, Guest VLAN

IP Source GuardYes

MAC FilterYes

Management Access FilteringSNMP, WEB, Telnet

Port Security (MAC Based)Static, Dynamic

RADIUS (RFC2138)Authentication, Accounting

SSH v1.5/ v2.0 (Secured Telnet Session)Yes

TACACS+Authentication, Accounting, Authorization, 3.0

Username/Password AuthenticationLocal, Remote

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ATCYes

Auto UpgradeTFTP

BannerYes

Cable DiagnosticYes

CLI Filtering and Terminal SettingYes

Configuration Download/ UploadYes

Delay ReloadYes

DHCPClient, Option 82, Dynamics Provision

DNSClient, Proxy

Dual F/W ImagesYes

Event/ Error LogLocal Flash, Remote Server via System Log (RFC3164), SMTP (RFC821)

Firmware DownloadTFTP (RFC783), Xmodem, FTP, HTTP

Firmware UpgradeTFTP (RFC783), Xmodem, FTP, HTTP

IP ClusteringYes

LLDPYes

MAC Based MirrorYes

RMONRMON I (1,2,3 & 9 groups)

SNMP (Agent)v1, v2c, v3

VLAN MirrorYes

WEB AuthenticationYes

??????? IPv6

ICMPv6Yes

ICMPv6 RedirectYes

IPv4/IPv6 Dual Protocol StackYes

IPv6 Address TypesUnicast

IPv6 ManagementIPv6 SNTP Support, SNMP over IPv6, IPv6 Telnet Support, Remote IPv6 Ping, IPv6 Syslog Support, IPv6 DNS Resolver

IPv6 Neighbor DiscoveryRouter Discovery, Duplicate Address Detection, Parameter Discovery, Prefix Discovery, Address Resolution, Unreachable Neighbor Detection, Redirect (Host)

IPv6 Path MTU DiscoveryYes

Manual ConfigurationYes

Stateless Auto-configurationYes

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