X5330-xxxX

10 G Uplink Security Switch Series

X5330-28TX

Features

- 24*10/100/1000Base-T
- 4*10GE SFP+
- 12 K Jumbo, 16 K MAC, 4 K VLAN
- 2 K ACL,IP+MAC+Port+VLAN binding
- full load <40 W
- WEB/SNMP/Telnet
- AC: Input 90～260 V，50～60 Hz
- 440 mm*220 mm*44 mm

X5330-52TX

Features

- 48*10/100/1000Base-T
- 4*10 GE SFP+
- 12 K Jumbo, 16 K MAC, 4 K VLAN
- 2 K ACL, IP+MAC+Port+VLAN binding
- full load <60 W
- WEB/SNMP/Telnet
- AC: Input 90～260 V，50～60 Hz
- 440 mm*300 mm*44 mm

X5330-28SX

Features

- 20*10/100/1000Base-X
- 4*GE Combo
- 4*10 GE SFP+
- 12 K Jumbo, 16 K MAC, 4 K VLAN
- 2 K ACL, IP+MAC+Port+VLAN binding
- full load <60 W
- WEB/SNMP/Telnet
- AC: Input 90～260 V，50～60 Hz
- 440 mm*280 mm*44 mm

General

X5330 series are designed for class-carrier GE access and 10 G uplink network, they cover all kinds of enterprise/ operators customer. It provides 20/24/48* 10/100/1000Base-T,1000Base-X SFP or 10G SPF+ for the demand of cost-effective Gigabit access/aggregation. X5330 adopts high performance processor to provide full speed forwarding and line-dormant capacity to coordinate with NGGN unified software. It supports strong ACL and IP+MAC+ports binding etc.

Product Specifications

Item	X5330-28TX	X5330-52TX	X5330-28SX
Interface switching capacity	128 Gbps	176 Gbps	128 Gbps
Forwarding capacity	95 Mpps	130 Mpps	95 Mpps
Memory and flash	512MB SDRAM memory and 16MB flash		
Power	AC: Input 90～260V, 50～60Hz		
Power consumption	Full-loaded≤40 W Idle≤13 W	Full-loaded≤60 W Idle≤25 W	Full-loaded≤60 W Idle≤20 W
Dimensions (width x depth x height)	440 mm*220 mm*44 mm	440 mm*300 mm*44 mm	440 mm*280 mm*44 mm
Weight (Full-loaded)	≤3.5 kg	≤3 kg	≤3 kg
Environmental requirements	Working temperature: -15℃～55℃ Storage temperature: -40℃～70℃ Relative humidity: 10%～90%, non-condensing		

Business Features

	X5330-28TX/X5330-52TX/X5330-28SX	
	L2 features	
MAC	16K MAC address MAC Black Hole Port MAC Limit	
VLAN	4K VLAN entries Port based QinQ PVLAN to realize port isolation and saving public-vlan resources GVRP	
Spanning tree	STP/RSTP/MSTP Remote-loop-detect	
Port	Bidirectional bandwidth control, configure entry/exit and the smallest 64K control particle Static and LACP Port- mirroring of 1:1 or N:1	
	Security features	
User's security	ARP anti-Flooding, configure ARP traffic safety threshold and inhibition ARP packet ARP anti-Spoofing, configure ARP inner and outer MAC check and static ARP checklist and drop / flood action IP+MAC+port+VLAN binding manually Port Isolation, configure hardware isolation of each port Bind MAC address to port and MAC address filtration on port IEEE 802.1x and AAA/Radius authentication	
Device security	Anti-DOS attack SSHv2 Secure Shell SNMP v3 encryption Telnet based on Security IP Prevent unauthorized user	
Network security	One button binding based on dynamic ARP table Manual binding parameter of IP, VLAN ID, MAC and port etc. L2-L7 ACL flow filtration Auto-shutdown port in storm Update user's location through DHCP Option82 and PPP	
	Service features	
ACL	Activate standard and extended ACL Time Range ACL strategy Flow classification based on SMAC, DMAC, VLAN, SIP, DIP, IP IP (IPv4/IPv6), TCP/UDP port number, protocol type etc. Packet filtration of L2～L7 IP header with 80 bytes	
QoS	Rate-limit to packet sending/receiving speed of port or self-defined flow and provide general flow monitor and two-speed tri-color monitor of self-defined flow Packet mirror and redirection of interface and self-defined flow Supports Priority remark to port or self-defined flow and provide 802.1P, DSCP priority and Remark Super queue scheduler based on port and self-defined flow. Each port/flow supports 8 priority queues and scheduler of SP, WRR and SP+WRR	
	IGMPv1/v2/v3 Snooping	

Multicast	IGMP Filter
	MVR multicast VLAN register and cross VLAN multicast replication
	IGMP Fast leave
	IGMP Proxy
Reliability	
Loop protection	EAPS and GERP
	Loopback-detection
Link protection	FlexLink
	RSTP/MSTP
	LACP
Device protection	Backup of host program and configuration files
Maintenance	
Network maintenance	Port real-time, utilization and transmit/receive statistic based on CLI
	802.3ah Ethernet OAM
	Syslog and RFC 3164 BSD syslog Protocol
	Ping and Traceroute
Device management	CLI, Console port, Telnet and WEB
	SNMPv1/v2/v3
	RMON (Remote Monitoring) 1,2,3,9 group MIB
	NTP
	GN.Link Ⅱ Server
	NGBNView network management

Ordering information[1]

PN	Description
Switches	
X5330-28TX	24 x 10/100/1000Base-T, 4 x 10GE SFP+, 100~240 V AC, 50/60 Hz
X5330-52TX	48 x 10/100/1000Base-T, 4 x 10GE SFP+, 100~240 V AC, 50/60 Hz
X5330-28SX	20 x 100/1000Base-X, 4 x GE Combo, 4 x 10GE SFP+, 100~240 V AC, 50/60 Hz

Notes:

[1] For accurate order specification please contact XenOpt reseller before placing an order. The content of this document is subject to change without notice.

Please specify any host device compatibility requirements at the time of ordering. Standard MSA compatible pluggable components may not work, or some function of these components may not be available in devices that require customized pluggable devices. Pluggable components that are compatible with one type of communications equipment may not work in other type of communications equipment.

Important Notice

Performance figures, data and any illustrative material provided in this data sheet are contains typical values and must be specifically confirmed in writing by XenOpt before they become applicable to any particular order or contract. Specifications may change without notice

The publication of information in this data sheet does not imply freedom from of patent or other protective rights of XenOpt or others. Further details are available from any XenOpt sales representative.

To find out more, please contact:

XenOpt