24-Port Gigabit with 4 Optional 10G slots Layer 3 Managed Stackable Switch

PLANET XGS3-24040 switch is 10GbE Ethernet routing switch. The XGS3-24040 has 24 fixed 10/100/1000Mbps ports with 4 shared 1000Base-SX/LX SFP slots, two10GbE XFP module slots and two 10GbE stack slots. The XGS3-24040 switch is based on 10GbE switching technology and fully supports IPv6, whereas their height is only 1U. As distribution layer switches which are featured in high performance, small size and flexibility, XGS3-24040 switch with advanced intelligent and secure features, can serve ideally as distribution layer switches for campus networks, enterprise networks and IP metropolitan networks; as well as core layer switches for small and medium-sized networks.

Support 10Gb Ethernet

10Gb Ethernet which adopts full-duplex technology instead of low-speed, half-duplex CSMA/CD protocol, is a big leap in the evolution of Ethernet. 10Gb Ethernet can be deployed in star or ring topologies. With 10Gb Ethernet, XGS3-24040 switch provides broad bandwidth and powerful processing capacity. It is suitable for metropolitan networks and wide area networks. Using XGS3-24040 switch, users can simplify network structures and reduce cost of network construction.

Networking Protocols

XGS3-24040 switch supports 802.1d/w/s, 802.1Q, 802.1p, 802.3ad, 802.3x, GVRP, DHCP and SNTP etc. The switches also support comprehensively the multicast protocols such as IGMP, DVMRP and PIM. Moreover, XGS3-24040 switch supports RIPv1/2, OSPF and IPv6. All these protocols supported enable XGS3-24040 switch to meet the requirements of complex network constructions.

XGS3-TGS30

XGS3-XFP

Secure Power Supply

XGS3-24040 switch provides AC/DC power redundancy. XGS3-24040 can be deployed with 100~220V AC power input, 12V DC power input or 100~220V AC power/12V DC power input simultaneously.

ACL

XGS3-24040 switch supports comprehensively ACL policies. The traffic can be classified by source/destination IP addresses, source/destination MAC addresses, IP protocols, TCP/UDP, IP precedence, time ranges and ToS. And various policies can be conducted to forward the traffic. XGS3-24040 switch also support IEEE802.1x port based access authentication, which can be deployed with RADIUS, to ensure the port level security and block illegal users.

QoS

XGS3-24040 switch fully supports DiffServ Module. Users can specify a queue bandwidth on each port. WRR/SP/SWRR scheduling is also supported. XGS3-24040 supports the port security. Users can deploy trusted CoS, DSCP, IP precedence and port priority. User can also modify packets' DSCP and COS values. The traffic can be classified by port, VLAN, DSCP, IP precedence and ACL table. Users can also modify packets' DSCP and IP precedence values. Users can specify different bandwidths for voice/data/video to customize different qualities of service.

Perfect Web Management.

XGS3-24040 switch supports SNMP, In-band and Out-of band Management, CLI and WEB interface and RMON. It can mail the correlative sensitive information to the administrator abide by SMTP protocol. XGS3-24040 switch supports SSH protocol, ensure the configuration management security of the switch.

KEY FEATURES

- Gigabit wire-speed Layer 3 IPv4 / IPv6 Routing
- Two 10G Ethernet network and two 10G stacking
- IP Routing protocols: Static route, RIPv1 / v2, OSPFv2, BGP4 and VRRP
- IP Multicast Routing: IGMP, PIM-DM / SM, DVMRP

- IEEE 802.1Q / Private VLAN / GVRP for VLAN Management
- IEEE 802.1w / 1s Spanning Tree Protocol
- L2 / L3 / L4 Access Control List and QoS
- 100~240V AC / 12V DC Redundant Power System

Data Sheet

SPECIFICATION

Product	24-Port Gigabit with 4 Optional 10G slots Layer 3 Managed Stackable Switch
Model	XGS3-24040
Hardware Specification	
Copper Ports	24 10/ 100/1000Base-T RJ-45 Auto-MDI/MDI-X ports
SFP/mini-GBIC Slots	4 SFP slots, 1000Base-SX/LX SFP transceiver compatible, Shared with Port-21 to Port-24
Expansion Slots	2 slots for PLANET XGS3-XFP, 1-Port 10G XFP optic module Support module Hot-swappable
Stack Slots	2 slots for PLANET XGS3-TGS30, 10G stack cable
Switch Fabric	128Gbps
Address Table	8K entries
VLAN Table	4K
ACL Table	1K
Routing Table	512
Layer 3 Interface	500
Port Queues	8
Jumbo Frame	9Kbytes
Dimension	440 x 415 x 44.5mm (W x D x H), 1U height
Weight	5.8kg
Power Requirement	AC: 100 ~ 240VAC, 50 / 60Hz, Auto-sensing. DC: 12V DC @ 13A
IPv4 Layer 3 functions	
IP Routing Protocol	Static Route, RIPv1/v2, OSPFv2, BGP4 Policy-Based Routing (PBR) LPM Routing (MD5 authentication)
Multicast Routing Protocol	IGMP v1 / 2 / 3, DVMRP, PIM-DM/SM, PIM-SSM
Layer 3 Protocol	VRRP, ARP, ARP Proxy
Routing Interface	Per VLAN
IPv6 Layer 3 functions	
IP Routing Protocol	RIPng, OSPFv3, BGP4+
Security	PIM-SM/DM for IPv6, MLD for IPv6(v1), MLDv1/v2 MLD Snooping, 6 to 4 Tunnels, Multicast receive control, Illegal multicast source detect
Layer 3 Protocol	Configured Tunnels , ISATAP, CIDR
Enhanced	
Multicast	MLDv1 / v2, MLD v1/v2 Snooping
Access Control List	Support Standard and Expanded ACL, IP-Based ACL / MAC-Based ACL, Time-Based ACL ACL Pool can be used for QoS classification, Up to 1K entries
Security	IPv4 / IPv6 + MAC+ port binding, IPv4 / IPv6 + port binding ARP Spoofing Prevention, ARP Scanning Prevention, IP Source Guard
Authentication	IEEE 802.1x Port-Based network access control, AAA Authentication: IPv4/IPv6 over RADIUS
Management Function	
Management	The unite for IPv4/IPv6 HTTP and SSL, the user IP security inspection for IPv4/IPv6 SNMP IPv4/IPv6 NTP, IPv4/IPv6 SSH, SNMP v1/v2/v3 TACACS+, security IP safety net management function
Standards Conformance	
Regulation Compliance	FCC Part 15 Class A, CE

ORDERING INFORMATION

XGS3-24040	24-Port Gigabit with 4 Optional 10G slots Layer 3 Managed Stackable Switch

RELATED PRODUCTS

ENW-9800	Dual 10Gbps SFP+ PCI Express Server Adapter
XGS3-XFP	1-Port 10G XFP Optic Module for XGS3-24040
XGS3-TGS30	30 cm 10G stack cable for XGS3-24040

AVAILABLE MODULES FOR XGS3-24040

MTB-XSR	XFP Port 10GBase-SR Fiber Optic Module (Multi-mode / 850nm / max. 300m)
MTB-XLR	XFP Port 10GBase-LR Fiber Optic Module (Single mode / 1310nm / max. 10km)

Data Sheet

C-XGS3-24040