

PNET-7E10G1FWM

8 Port 10Gbps Ethernet Switch

WEB MANAGED



Product Highlights

- 7x 10Gbps RJ45 ports and 1x 10Gbps SFP+ port
- Comply with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3bz, IEEE 802.3ae, IEEE 802.3x standards
- Ethernet Ports support 100M/1G/2.5G/10Gbps self-adaptive
- Support automatic port flipping (Auto MDI/MDIX)
- The panel indicator LEDs will monitor the working status and assist in fault analysis
- Flow control method, full duplex adopts IEEE802.3x standard, and half duplex adopts
- Backpressure standard
- Support QoS data priority
- Support web management

Application environment

- Metropolitan fiber broadband network: Telecommunications, cable TV, network system integration and other data network operators.
- Broadband private network: Suitable for special networks in industries such as finance, government, petroleum, railway, electric power, public security, transportation, education, etc.
- Multimedia transmission: Integrated transmission of images, voice, and data, suitable for applications such as distance education, conference television, and videophone.
- Real time monitoring: Simultaneous transmission of real-time control signals, images, and data.

Technical Specification

Description	
Model	SST-MTG7T1XS
Interface	7*10Gbps RJ45 ports 1*10Gbps SFP+ port
Chip Scheme	RTL9303+RTL8264B+RTL8261BE
Performance	
Bandwidth	160Gbps
Packet Forwarding Rate	119.04Mpps
RAM	128MByte
Flash Memory	16MByte
Memory Cache	12Mbit
Mac Address Table	16K
Jumbo Frame	10Kbytes
Standard	
Network Protocol	IEEE802.3 (Ethernet) IEEE802.3u (Fast Ethernet) IEEE802.3ab (Gigabit Ethernet) IEEE 802.3bz (5G Ethernet) IEEE 802.3z (Gigabit Ethernet) IEEE 802.3ae (10Gbps Ethernet) IEEE802.3x (Flow Control)
Industry Standard	EMS: EN61000-4-2 (ESD) EN61000-4-5 (Surge)
Certification	
Safety certification	CE, FCC, RoHS
Environment Standard	
Working environment	Working temperature: - 10~50 ° C Storage temperature: - 40~70 ° C Working humidity: 10%~90%, non-condensing Storage humidity: 5%~95%, non-condensing
Functional indication	
Indicator Light	PWR (Power Indicator)
PWR Power Indicator)	On: Powered on Off: Powered off
SYS	Flashing: System startup in progress On: System startup completed
Fan	1
Dialing light	Green LED on: 10Gbps Link normal

	Yellow LED on: 100M/1G/2.5G Link normal Off: Link blocked Flashing: Data transmitting
Reset	Long press for 6 seconds to restore factory settings
Physical specifications	
Structure size	Product Dimensions: 270*181*44mm Packaging Dimensions: 312*262*84mm Product Net Weight: 1.18KG Product Gross Weight: 1.63KG
Packing information	Carton Dimensions: 540*435*332mm Packing Quantity: 10PCS Packing Weight: 17.3KG
Supply voltage	Power Adapter: 12V 4A
Power	Maximum 32.25W
Packing list	Switch 1PCS, manual 1PCS, certificate of conformity 1PCS, power cord 1PCS

Function

L2 Function	
Port	Port Switch Configuration
	Port Description Configuration
	Port Speed Configuration
	Port Duplex Configuration
	Port Flow Control Configuration
	Jumbo
	EEE
Link Aggregation	Support load sharing strategy based on MAC and IP-MAC addresses
	Static and dynamic aggregation groups
	Support LACP
	Max. 8 members per group
Storm Control	Broadcast suppression
	Unknown Multicast
	Unknown Unicast
Port Mirroring	One to one monitor
	Many to one monitor
	Ingress/Egress/Both
	Up to 4 session groups
Port Security	MAC Address Constraints
	Protect/Restrict/Shutdown
Port Isolation	Support
Port Rate-limit	Support
VLAN	Access/Trunk/Hybrid
	VLAN Tunnel (Q-in-Q Tunnel)
	VLAN range 1-4094, maximum active VLAN is 4K
MAC Address	Static MAC address
	MAC Address Filtering
Spanning Tree Protocol	STP/RSTP
	BPDU Filter
	BPDU Guard
	Edge Port

Multicast	IGMP Snooping
	IGMP V1/V2/V3
	Router Port
	Static Multicast
QoS	Traffic classification based, Strict priority and WRR
	Port Priority
	802.1P Priority
	IP DSCP Priority
	Supports up to 8 queues per port
	Priority Remark
Services	Support
Access Protocol	HTTP
	Session timeout
Security	DHCP Snooping
Diagnostics	Support
Ping	Support
Electrical Port Test	Support
Management	Support
Manager Access	HTTP
	SNMP
Manager IP	Static Address
	DHCP Client
	Manager VLAN
	DNS
SNMP	V2C
	Community Name
	Trap host
SNMP MIB	RFC 1213 MIB-II
	RFC 1643 Ethernet MIB
	RFC 2863 Interface MIB
User	Support
Firmware	Firmware Upgrade
Configuration Management	Upload/Backup Configuration
Save	Support
Restart	Support
Factory Defaults	Support
Standards Compliance	
IEEE 802.3x flow control and back pressure	
IEEE 802.3ad port trunk with LACP	
IEEE 802.1D Spanning Tree Protocol	
IEEE 802.1w Rapid Spanning Tree Protocol	
IEEE 802.1p Class of Service	
IEEE 802.1Q VLAN tagging	
RFC 768 UDP	
RFC 793 TFTP	
RFC 791 IP	
RFC 792 ICMP	
RFC 2068 HTTP	
RFC 1112 IGMP v1	
RFC 2236 IGMP v2	
RFC 3376 IGMP v3	

Product Dimensions

