

12-Port 10G Web Managed Ethernet Switch



Product Highlights:

- 4* 10G RJ45 ports and 8* 10G SFP+ ports
- Complies with IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3bz, IEEE 802.3ae, and IEEE 802.3x standards
- RJ45 port supports 100M/1G/2.5G/5G/10G adaptive
- Supports automatic port flipping (Auto MDI/MDIX)
- The panel indicator lights will monitor the working status and assist in fault analysis
- Flow control method, IEEE802.3x standard for full duplex and Backpressure standard for half duplex
- Support QoS data priority
- Support Web Management

Hardware Features:

Description	Specification
Model	TGW2C48NS-AT
Interface	4* 10G RJ45 ports 8* 10G SFP+ ports
Port Standard	IEEE802.3 (Ethernet) IEEE802.3u (Fast Ethernet) IEEE802.3ab (Gigabit Ethernet) IEEE 802.3bz (5G Ethernet) IEEE 802.3z (Gigabit Ethernet) IEEE 802.3ae (10 Gigabit Ethernet) IEEE802.3x (Flow Control)
Switching Capacity	240Gbps
Packet Forwarding Rate	178.56Mpps
Packet Buffer	16Mbit
MAC Address Table	32K
VLAN	VLAN range 1-4094, maximum active VLAN is 4K
Jumbo Frame	Support
Transmission Method	Store and Forward
Surge Protection	Port surge: common mode 4KV, differential mode 2KV. (Class A) Electrostatic ESD: Contact 6KV, air 8KV. (Class A) Power protection: common mode 4KV, differential mode 2KV. (Class A)
Operating Temperature	0~40°C
Storage Temperature	-40°Cto70°C
Operation Humidity	10%~90%, non condensing
Storage Humidity	5%~95%, non condensing



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Technical Data Sheet

Power Supply	AC 100-240V 50/60Hz DC 12V 4A
Mainboard Power Consumption	45.83W
Structure Information	Product Dimensions:320*207*45mm Packaging Dimensions:370*290*85mm Product Net Weight: 1.59KG Product Gross Weight:2.16KG
Packing Information	Carton Dimensions: 445*310*390mm Packing Quantity: 5PCS Packing Weight:11.54KG
Package Contents	Switch 1pcs, power cord 1pcs, manual 1pcs, certificate of qualification 1pcs, rack mounted kit 1 pair
Fan Quantity	1
Installation	Desktop, rack-mounted
PWR (Green Led)	On: Powered on Off: Powered off
SYS (Green Led)	On: The system is normal Blinking: System startup in progress Green Led On: 10Gbps Link normal Yellow Led On: 100/1000M/2.5Gbps Link normal
1-4	Off: Link blocked Blinking: Data transmitting
5-12	Blue Led On: 10Gbps Link normal Green Led On: 100/1000M/2.5Gbps Link normal Off: Link blocked Blinking: Data transmitting
RESET	Long press for 6 seconds to restore factory settings

Software Features:

Description	Specification
L2 Function	
Port	Port Switch configuration Port Speed configuration Port Duplex configuration Port Flow Control configuration EEE Jumbo Frame Supports load balance policy; Base on MAC and IP-MAC
Link Aggregation	Static and Dynamic Group LACP



	Up to 8 groups
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
Description	Specification
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 Filtering MAC Address
MAC Address	Static MAC address
Spanning Tree Protocol	STP/RSTP BPDU Filter BPDU Guard Edge Port IGMP Snooping
Multicast	Router Port Static IGMP Join IGMP V1/V2
QoS	Traffic classification, Supporting SP and WRR scheduling Port Priority
ERPS	Main Ring
Services	
Access Protocol	HTTP Session Timeout
Security	DHCP Snooping
Diagnostics	
Copper Test	Support
Ping	Support



Equipment Management	
Manager Access	HTTP
	SNMP
Manager IP	Static Address Manager VLAN DNS DHCP Client
	V1/V2C
SNMP	Community Trap Host
Description	Specification
SNMP MIB	RFC 1213 MIB-II RFC 1643 Ethernet MIB RFC 2863 Interface MIB
User Management	Support
Firmware Management	Firmware upgrade
Configuration Management	Upload/Backup Configuration
Save	Support
Restart	Support
Factory Defaults	Support
Standard 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	



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Product Structure Diagram:

