

## 10 Ports L2 Gigabit Managed Switches

### Overview

Except for excellent non-blocking line-speed data switching, the series support diversified service features as well. The switches supports easy-to-use Web management and comprehensive security policies, which enable to establish high security and easy-managed access network environments in government networks, campus networks, enterprise networks and other public networks.

### Appearance

Port describe: 8\*10/100/1000 Base-T ports+2\*1000 Base-X SFP ports+1\*Console port;



### Features

#### Non-blocking High-speed Forwarding

- Support L2 level wire-speed port switching, which enables all ports to forward packets without blocking.

#### Comprehensive Security Control Policies

- Support link aggregation to enhance the network bandwidth and defend the network security with link backup.
- Support multiple spanning tree protocols: STP, RSTP, provide rapid convergence and improved fault-tolerant capacity.
- The network stable operation and load balance are well guaranteed, also improved the reasonable use of network channels and redundant link;
- Support the binding of user access interface, IP addresses and MAC addresses, to

defend against inner network ARP attacks and Dos attacks.

- Support attacks defense strategies, against for Land attacks, Blat attacks, Ping attacks, TCL controled flag attacks.
- Support IEEE 802.1x port authentication, process security authentication for access users.
- Support storm suppression based on bandwidth adjustment, storm flitering and ACL strategie.
- Support the Back-pressure traffic control under Half-Duplex mode and IEEE 802.3x traffic control under Full-Duplex mode. The heavy traffic data peak can be switched stably without the concern of network paralysis caused by overload.

### Convenient and Quick Management and Maintenance

- Adopt simple visual Web-based interface, which helps users to handle various functions easily and conveniently.
- Support Simple Network Management Protocol (SNMP) that the devices are convenient to configure and manage. Small and medium-sized enterprise customers can centralized manage the switch easily.
- Support CLI command line management, suitable for professional network administrators.

### Product specification

<b>Service Ports</b>	8*10/100/1000 Base-T ports; 2*1000 Base-X SFP ports;
<b>Management Port</b>	1* Console port
<b>Reset</b>	N/A
<b>Switching Capacity</b>	128Gbps
<b>Packet Forwarding Capacity</b>	42Mpps
<b>Operation Temperature</b>	-20~50°C
<b>Storage Temperature</b>	-40~70°C



<b>Operation Humidity</b>	10%~90%(non-condensing)
<b>Storage Humidity</b>	5%~95%(non-condensing)
<b>Dimensions</b>	230 (L)*154(W)*44(H)mm
<b>Weight</b>	<4Kg
<b>Input Voltage(AC)</b>	AC: 110~240V/50~60Hz
<b>Power Consumption</b>	<10W
<b>LED Indicator</b>	Power, System, Link/Act

## Product software

<b>Standards and Protocols</b>	IEEE 802.3u,100BASE-TX
	IEEE 802.3ab,1000 BASE-T
	IEEE 802.3z,1000 BASE-X
	IEEE 802.3ad,Static or Dynamic Link Aggregation
	IEEE 802.3x,Full-Duplex Flow Control
	IEEE 802.3az,EEE(Energy Efficient Ethernet)
	IEEE 802.1q,VLAN
	IEEE 802.1p,QoS/CoS
	IEEE 802.1d,STP(Spanning Tree Protocol)
	IEEE 802.1w,Rapid Spanning Tree Protocol
<b>MAC Address Table</b>	Up to 8K MAC addresses
	Support auto-update, two-way learning
<b>Buffer Memory</b>	4.2Mbit
<b>Jumbo Frame</b>	9K Bytes



<b>VLAN</b>	Port-based VLANs
	4K-entry Vlan Table
	VLANs based on IEEE 802.1q
<b>spanning Tree</b>	Support Spanning Tree Protocol
	Support Rapid Spanning Tree Protocol
	N/A
<b>Link Aggregation</b>	Support 8 aggregation groups, and a maximum of 8 ports in each aggregation group
	Static aggregation and LACP
<b>Port Mirroring</b>	Support bi-direction port mirroring
<b>Port Isolation</b>	Isolation between downlink ports without influence the communication between downlink and uplink ports
<b>Port Flow Control</b>	Back-pressure traffic control under Half-Duplex mode
	IEEE 802.3x traffic control under Full-Duplex mode
<b>Port Rate Restriction</b>	Port-based ingress or egress rate limiting
<b>DHCP</b>	DHCP Snooping
	N/A
<b>Storm Suppression</b>	Support the suppression of broadcast storm based on forwarding rate
<b>Multicast Control</b>	Support IGMPv1/2/3 and MLDv1/2 Snooping;
<b>Security</b>	Attack Prevention(Land attack\Blat attck\Ping attack\TCP control flag attrck)
	MAC or Port based Security
	IP ACL,MAC ACL,Vlan ACL
	N/A
	N/A
	N/A



	N/A
<b>QOS</b>	802.1p(Port Queuing Priority)
	WRR (Weighted Round Robin)
	Cos/Tos, QOS
<b>Physic Medium</b>	10/100Base-TX:UTP category 3/4/5 cables( Maximum 100m)
	1000Base-T:UTP Category 5 cable( Maximum 100m)
<b>Physic Medium</b>	1000Base-SX:fiber with 850nm wavelength, supports a max transmission distance of 550m
	1000Base-LX:fiber with 1310nm / 1550nm wavelength, supports a max transmission distance of 80km
<b>Network Cable</b>	Support Auto-MDIX function, automatically identify straight forward cable and cross-over cable
<b>Deployment</b>	
<b>Negotiation Pattern</b>	Support port auto-negotiation function( automatically negotiate transmission rate and Duplex modes)
<b>Maintenance</b>	Detect the connectivity of network cables
	Uploading or downloading of the configuration data
	Uploading of upgrade patch
	Support system logs
	WEB-based reset to factory defaults
<b>Management</b>	WEB-based management
	CLI Management (Command Line Interface)
	Telnet
	SNMP
	Cloud box management, Cloud management