CLR-SWT-5852F

24GE+24SFP L3 Managed Switch with SFP+

Products Description

CLR-SWT-5852F is the latest development of Gigabit Layer 3 access switch (modular dual power). It's the second generation intelligent managed switches designed for networks requiring high performance, high port density, high uplink bandwidth and easy to deploy. switch offers Gigabit connectivity with10/100/1000 autosensing ports and 1G or 10G optical uplink.

Main Features

- **Various Port Types and Flexible Port Expansion**

  Switch comes with fixed 4*10G ports The series also provides multiple gigabit ports.

- **Excellent Processing capability**

  Up to 176Gbps switching capacity and 96Mpps liner filtering and forwarding speed

- **Enhanced Reliability Protection Mechanism**

  Support CPU packed classification and rate restriction by CPU protection policies, which can prevent against illegal

  Packet attacks to CPU and reduce the resource consumption.

  Support Rapid Spanning Tree Protocol (RSTP), provide rapid convergence and improved fault-tolerant capacity. The network sable operation and load balance are well guaranteed, also improved the reasonable use network channels and redundant link;

  Carrier-class switching power supply, supporting functions to prevent against lightning, overpressure and surging. The device can work normally in bad natural weather and instable voltage environment, suitable for 110~240V voltage.

- **Comprehensive Security Control Policies**

  Support address authentication based on IP +MAC addresses, 802.1x authentication based on user interfaces, and also support IP ACL, MAC ACL, VLAN ACL and L3 / L4 based ACL, can efficiently defend against ARP attacks and viruses. Besides,the switch can provide comprehensive storm control function by suppress broadcast, multicast, DLF flooding and ICMP flooding. The comprehensive secure controls can efficiently guarantee the real-time effectiveness of all security policies.

  It supports strict ARP learning, which prevents ARP spoofing attacks that exhaust ARP entries.It also provides an IP source check to prevent DoS attacks caused by MAC address spoofing, IP address spoofing, and MAC/IP spoofing.

  It supports DHCP snooping, which discards invalid packets that do not match any binding entries,such as ARP spoofing packets and IP spoofing packets. This prevents hackers from using ARP packets to initiate attacks on campus networks. The interface connected to a DHCP server can be configured as a trusted interface to protect the system against bogus DHCP server attacks.

- **Convenient and Quick Management and Maintenance**

  Adopt simple visual Web-based interface (http / https), 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 and telnet, suitable for professional network administrators.

  Support SSH2.0 and other encryption, which makes management much more secured.

  Support PDP/LLDP protocol for simpler management.

gelecek BT

Product Specifications

Product Information	
Product Model	**CLR-SWT-5852F**
Hardware specifications	
Fixed Ports	24*1000 Base-X SFP ports
	24*10/100/1000 Base-T ports
	4*1G/10 GE Base-X SFP+ ports
Consloe	1
Reset	1
Modular power slots	2
Port Switching capacity	176Gbps
Box Switching capacity	598Gbps
Forwarding Rate	131Mpps
Flash/RAM	64MB/256MB
Temperature	Operating temperature: (-10 - 50)°C
	Storage temperature: (-40 - 70)°C
Humidity	Operating humidity: (10% - 90%) RH, non-condensing
	Storage humidity: (5% - 90%) % RH, non-condensing
Dimensions(L*W*H)	440(L)*285(W)*44.5(H)mm
Power	AC:100～240VAC,50～60Hz
	72W AC Pluggable Power Module
Power consumption	72W
Weight	<6Kg
Lightning protection	6KV
MAC address table	16K
LED Indicator	Power,System ,Link/Act
Software specifications	
Forwarding mode	Store-and-forward
MAC Address	16K MAC addresses
	MAC address learning and aging
Traffic Control	Back-pressure traffic control for Half-Duplex mode
	IEEE 802.3x traffic control for Full-Duplex mode
VLAN	4K VLANs
	Port-based VLANs
	802.1Q Vlan
Spanning Tree	STP(Spanning Tree Protocol)
	RSTP(Rapid Spanning Tree Protocol)
	MSTP(Multiple Spanning Tree Protocol)
Link Aggregation	Static aggregation and LACP

gelecek BT

Port Mirroring	Many-to-one port mirroring,4 groups
Ring Protection	Supports Industrial-level Ethernet Ring Protection Switching ERPS
IP Routing	Static Routing
	RIP,OSPF
	VRRP
IPv6	IPv6 static routing,RIPng,OSPFv3
	ICMP v6, Telnet v6
Multicast	IGMP snooping
	MVR（Multicast VLAN Registration）
Storm Suppression	Suppress broadcast, multicast and unicast
DHCP	DHCP Server
	DHCP Snooping
	DHCP Relay
QoS	SP(Strict Priorty)
	WFQ (Weighted Fair Queuing)
	802.1p
Security	Binding of the IP address, MAC address, port；
	Port isolation
	IP ACL, MAC ACL on hardware
	IP Source Guard
	ARP Detection
Network Cable Deployment	Support Auto-MDIX function, automatically identify straight forward cable and cross-over cable
Negotiation Pattern	Support port auto-negotiation function(automatically negotiate transmission rate and Duplex modes)
Maintenance	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
Management	WEB-based management
	CLI Management (Command Line Interface)
	Telnet
	SNMP V1/V2c