



## **Data Sheet GTX-5715S**

**GTX-5715S - 15\*1/10G SFP Ports Layer 3 Switch with**  
**8\* Gigabit Ethernet Ports**

**Product Appearance:**



## **Product Overview:**

GTX-5715S 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. GTX-5715S switch offers 15\* 1/10G Gigabit SFP connectivity with 8\* 10/100/1000 autosensing ports.

GTX-5715S is a Layer 3 Managed Gigabit Switches support RIP, OSPF and both IPv4 and IPv6 protocols and software Layer 3 static routing capability, and provide up to 15\* 1/10G SFP Ports and 8 10/100/1000Mbps Gigabit Ethernet ports.

## **Highlights:**

### ■ **Various Port Types and Flexible Port Expansion**

Switch comes with fixed 15\*1/10G SFP ports the series also provide multiple gigabit ports.

### ■ **Large-capacity, high-density, 10 Gbit/s access**

To provide sufficient bandwidth for users, many servers, particularly those in data centers, use 10G network adapters. It can be used in data centers to provide high forwarding performance and 10GE ports.

It has the high density of all 10GE ports and the large switching capacity.

It ports support 1GE and 10GE access and can identify optical module types, maximizing the return on investment and allowing users to flexibly deploy services.

It has a large buffering capacity and uses an advanced buffer scheduling mechanism to ensure non-block transmission when data center traffic volume is high. Up to 720Gbps switching capacity and 225Mpps 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 stable 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 enterprises customers can centralize 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.

## Hardware Specification:

<b>Product Information</b>	
Product Model	<b>GTX-5715S</b>
<b>Hardware specifications</b>	
Fixed Ports	15* 1G/10 GE Base-X SFP+ ports 8*10/100/1000 Base-T ports
Console	1
Reset	1
Modular power slots	2
Port Switching capacity	316Gbps
Box Switching capacity	720Gbps
Forwarding Rate	235Mpps
Flash/RAM	64MB/512MB
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	<5Kg
Lightning protection	6KV
MAC address table	32K
LED Indicator	Power, System, Link/Act
<b>Software specifications</b>	
Forwarding mode	Store-and-forward
Standards	IEEE 802.3i:10BASE-T Ethernet; IEEE 802.3u:100BASE-X Fast Ethernet; IEEE 802.3ab:1000BASE-T Gigabit Ethernet; IEEE 802.3z:1000BASE-X Gigabit Ethernet (Optical fiber) IEEE 802.3ae: 10 Gigabit Ethernet over fiber IEEE 802.3ak: 10GBASE-T
MAC Address	32K MAC addresses MAC address learning and aging
Packet Buffer	2M
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
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

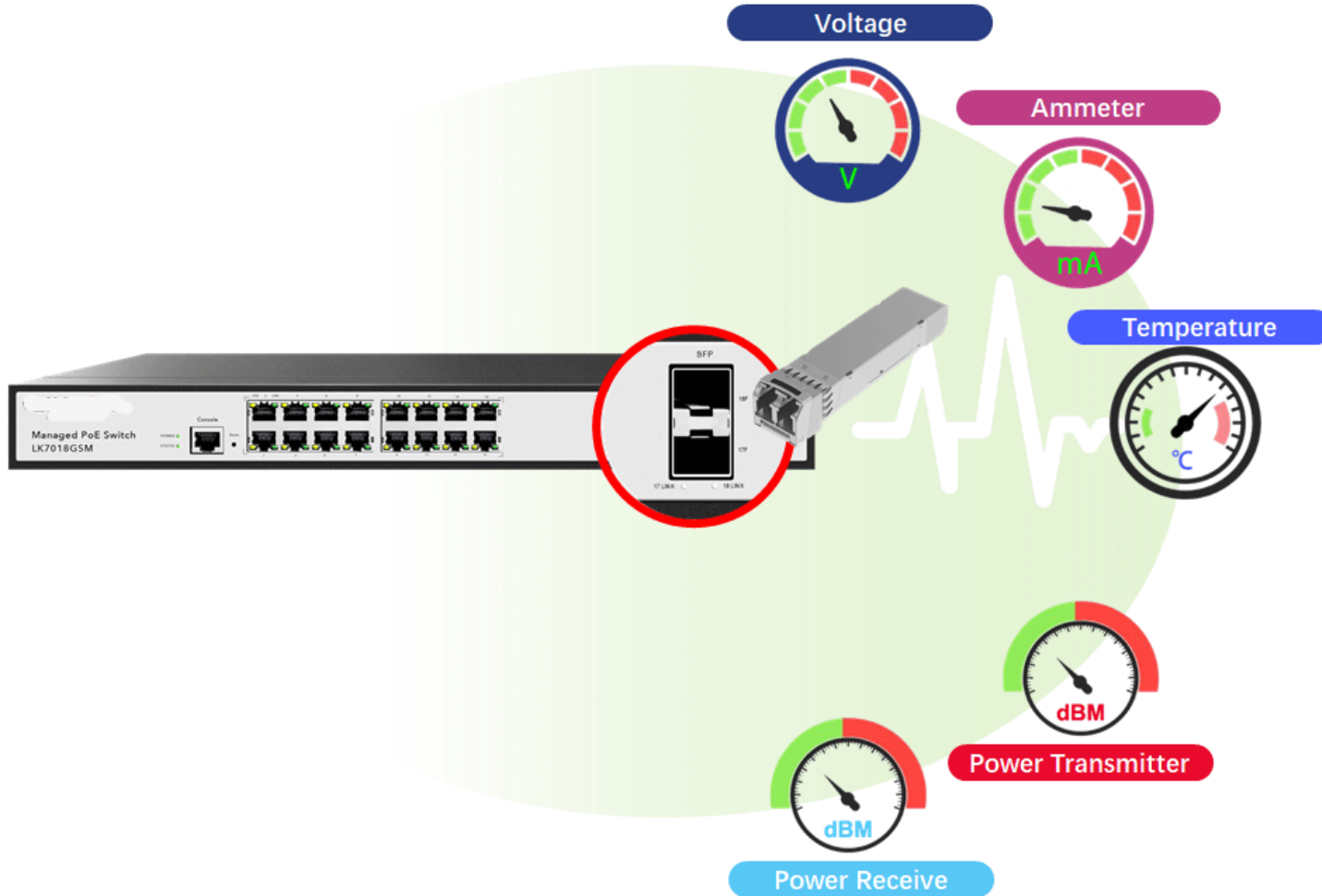
	MVR ( Multicast VLAN Registration )
Storm Suppression	Suppress broadcast, multicast and unicast
DHCP	DHCP Server
	DHCP Snooping
	DHCP Relay
QoS	SP(Strict Priority)
	WFQ (Weighted Fair Queuing)
	802.1p
Security	Binding of the IP address, MAC address, port;
	Port isolation
	IP ACL, MAC ACL on hardware
	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

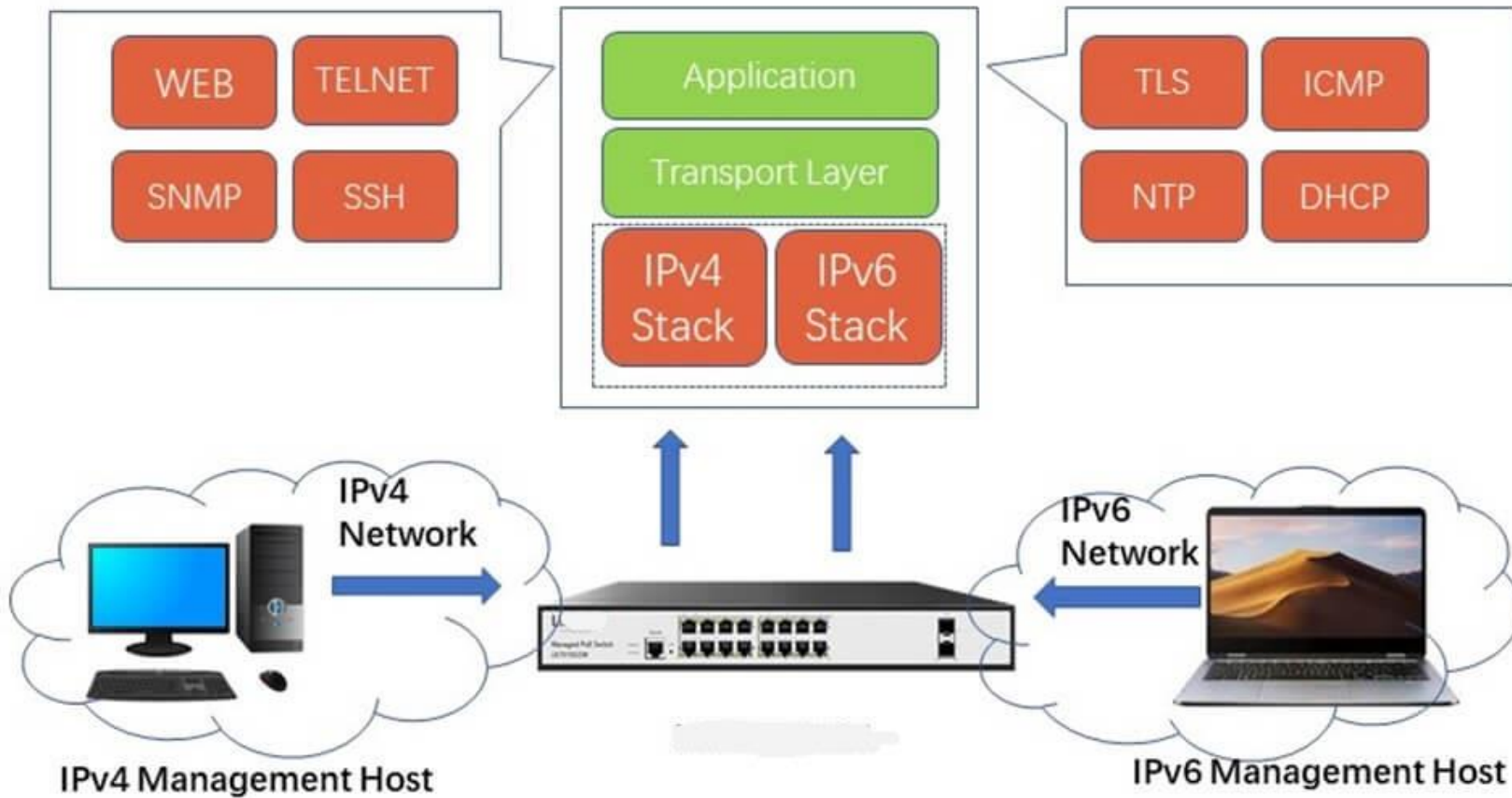
## Order Information

Product Information	Detailed information
GTX-5715S	15* 1G/10G Base-X SFP+ ports, 8*10/100/1000 Base-T ports, 2 * Modular power slots
<b>Power supply</b>	
PWR-AC-72	72W AC Power Module
<b>Transceivers</b>	
SFP+-10GE-SX-MM850	SFP+ Module(850nm,300m,LC)
SFP+-10GE-LX-SM1310	SFP+ Module(1310nm,10km,LC)



## Digital Diagnostic Monitor (DDM)





## Solution Diagram:

