LCS-GS9428-A



24-Port Gigabit Web Smart SNMP Switch with 4-Port Mini-GBIC

Easily boosting your networking throughput, the GS9428 24-Ports Gigabit Web Smart Switch provides you 24 10/100/1000Mbps gigabit ports that lead you to a real gigabit connection. Users are now able to transfer high bandwidth-demanded files faster and get a real efficiency improvement with the user-friendly Web-based management interface. This product also equips 4 mini GBIC slots for your flexible fiber connection. Use of the mini-GBIC port disables the connection of its corresponding copper port automatically.
The management functionalities provide efficient network usage. VLAN reduces the collisions from widely broadcasting. Port Aggregation enlarges the bandwidth of backbone connection. QoS is supported to secure the bandwidth for some bandwidth-demanded applications including VoIP or videoconference. The 802.3x and backpressure flow control mechanisms are also supported to ensure the correctness of data transmitting.

Features:

- 24 fixed 10/100/1000Mbps Gigabit Ethernet ports for easy network connecting application.
- Equips 4 SFP ports for optional fiber connection.
- Supports auto-detection for miniGBIC module inset
- Provide Auto-discovery Function for easy Network management.
- Support Port Mirror.
- Support up to 8 ports and 12 groups port aggregation.
- Support QoS function, port base, tag base, DSCP priority
- Support Rate Limit (ICMP Rate, Broadcast Rate, Multicast Rate, Ingress/Egress)
- Support full duplex flow control and half duplex back pressure
- Non-blocking wire-speed switching performance
- Provide 8K MAC address entries and 24 groups VLAN table
- Support firmware upgrade, SNMP
- Support Jumbo frame 9K bytes
- Supports 500K bytes buffer Memory
- Support Web-based management interface.
- FCC Class A, CE, VCCI. Meet RoHS.

Specifications:

Standard:	IEEE802.3, 802.3u, 802.3x, 802.3ab/z 802.1q standards
Interface	24 * 10/100/1000 Mbps RJ-45 ports 4* SFP(mini-GBIC) port. One Restore Default Button
NWay Protocol Support	Network speed: 10Mbps, 100Mbps and 1000Mbps Duplex mode: Full and Half (1000BaseT support full duplex only)
Diagnostic LED	1* Power(green), 24*10/100M LINK/ACT (green), 24* 1000M Link/ACT
Operating Humidity:	10% to 90% non-condensing
Operating Temperature	0°~ 40°C
Dimension	441 x 130 x 44 mm
Power Supply:	Internal power adapter 100~240VAC, 50/60Hz
Certification:	FCC; CE, VCCI Class A
EAN:	4016621122027

Software:

L2 Features		Support
Flow Control	802.3x (Full-duplex)	Yes
	Back-Pressure (Half-duplex)	Yes
Spanning Tree	IEEE 802.1D (STP)	Yes
	IEEE 802.1w (RSTP)	Yes
	Auto Edge Port	Yes
	Self Loop Detection	Yes
VLAN	Static VLAN	64
	Port-based	Yes
	IEEE 802.1Q Tagged Based	Yes
Voice VLAN	OUI Mode	Yes
Link Aggregation	IEEE 802.3ad LACP	Yes
	Static Trunk	Yes
	Max. Group	8
	Max. Ports/Group	8
	Traffic Load Balancing	Yes
IGMP Snooping	Multicast Groups	256
	IGMPv1/v2	Yes
	IGMPv3 Basic (BISS)	Yes
	IGMP v2/v3 Querier	Yes
	Immediate Leave	Yes
IEEE 802.1AB Link Layer Discovery Protocol (LLDP)		Yes
QoS Features		
Priority Queue		8 queues/port
Rate Limit	Port-based (Ingress/Egress)	Yes
Queue Scheduling	WRR	Yes
	WFQ	Yes
	Strict Priority	Yes
	Hybrid(WRR+SP or WFQ+SP)	Yes
Class of Service	Port-based	Yes
	Flow-based	Yes
	802.1p	Yes
	IP TOS Precedence	Yes
	IP DSCP	Yes
Security		

Storm Control	Broadcast	Yes
	Unknown Multicast	Yes
	Unknown Unicast	Yes
HTTPS and SSL 2.0 (Secured Web)		Yes
Account Manager	Local Authentication	Yes
	Multiple User Account	Yes
	Multi-Level Security (Manager/Operator)	Yes
	Password Recovery Procedures	Yes
Management VLAN		Yes
Protected Port (Port Isolation)		Yes
CPU Defense Engine		Yes
DoS Prevention		Yes
IPv6		
IPv6 Host	Auto Configuration	Yes
	Static IPv6 Address and Prefix Length	Yes
	Static IPv6 Default Gateway	Yes
	IPv6 Neighbor Discovery (ND)	Yes
	IPv6 Duplicate Address Detection	Yes
	ICMPv6	Yes
IPv6 Application	HTTP/HTTPS	Yes
	TELNET	Yes
	SNMP	Yes
	TFTP	Yes
	PING	Yes
	DHCPv6	Yes
Management		
Command Line Interface (CLI)	Console	Yes
	Telnet (RFC854)	Yes
Web-based Management (Web UI)	HTTP	Yes
	HTTPS	Yes
SNMP	v1	Yes
	v2c	Yes
MIBs	RFC1213 MIBII (System & Interface groups)	Yes
	RFC2819 RMON I (1,2,3, & 9 groups)	Yes
File Management	Firmware Upgrade/Backup	Yes
	Configuration Download/Backup	Yes
	TFTP (RFC783)	Yes

	HTTP	Yes
	UART	Yes
DHCP	Client	Yes
DNS	Client	Yes
Mirroring	Port-based (Many to One)	Yes
Syslog (RFC3164)	Local RAM	Yes
	Local Flash	Yes
	Remote Server	Yes
Time Setting	Local	Yes
	SNTP	Yes
Cable Diagnostics	Cable Test	Yes
Port Utilization		Yes
Reset Button		Yes
EEE (802.3az)		Yes