

GE5210-P48S4-L3

10G Uplink 52 Port Gigabit L3 Managed Ethernet PoE Switch

Highlights

- 48-port 10/100/1000Mbps **IEEE 802.3af/at/bt** (PoE/PoE+/PoE++)
- 4-port **10G SFP+** fiber interfaces
- **IEEE 802.3x** full-duplex flow control
- Support IEEE802.3at (**30W**) and IEEE802.3bt (**90W**)
- **176Gbps** Switching Capacity



Specifications

Model	GE5210-P48S4-L3
I/O Interface	
Power	AC 100-240V / 50-60Hz
Ethernet	48x 10/100/1000Mbps Poe Port 4x 10G SFP+ Port 1x RJ45 Console Port 1x USB Port
Performance	
Capacity	176Gbps
Packet Forwarding Rate	131Mpps
DDR SDRAM	512Mbyte
Flash Memory	32Mbyte
Packet Buffer Memory	16Mbit
MAC Address	32K
Jumbo Frame	10KBytes
VLANs	VLAN Range 1-4094, with a maximum active VLAN of 4K
Standard	
Network Protocol	IEEE 802.3 Ethernet MAC Protocol IEEE 802.3u 100BASE-TX Fast Ethernet IEEE 802.3ab 1000BASE-T Gigabit Ethernet IEEE 802.3z 1000BASE-X Gigabit Ethernet (Optical Fiber) IEEE 802.3ae 10G Ethernet IEEE 802.3x Flow Control IEEE 802.3az Energy-Efficient Ethernet IEEE 802.3ad Standard Method for Performing Link Aggregation IEEE 802.1ab LLDP/LLDP-MED (Link Layer Discovery Protocol) IEEE 802.1d Spanning Tree Protocol (STP) IEEE 802.1w Rapid Spanning Tree Protocol (RSTP) IEEE 802.1s Multiple Spanning Tree Protocol (MSTP) IEEE 802.1Q VLAN Bridge Operation IEEE 802.1P (VLAN LABEL) IEEE 802.1x Client/Server Access Control and Authentication Protocol
PoE Protocol	IEEE 802.3af (15.4W) IEEE 802.3at (30W) IEEE 802.3bt (90W)
Industry Standard	EMS: EN61000-4-2(ESD) EN61000-4-5(Surge)
Network Medium	10BASE-T: Cat3, 4, 5 or above UTP/STP(≤100m) 100BASE-TX: Cat5 or above UTP/STP(≤100m) 1000BASE-TX: Cat5 or above UTP/STP(≤100m)

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Specifications

Others	
Safety Certificate	CE, FCC, RoHS
Working Environment	Working Temperature: 0~40°C Storage Temperature: -40~70°C Working Humidity: 10%~90%, non-condensing Storage Humidity: 5%~95%, non-condensing
Indicator	PWR (Power Indicator), SYS (System Indicator), LINK (Link Indicator), ACT (Act Indicator)
PWR	On: Powered On Off: Powered Off
SYS	On: System On Flashing: System Off Or Failed
LINK/ACT	On: Link Connecting Off: Link Off Flashing: Data Transmitting
Structure Size	Product Dimensions: 440x360x44.5mm Product Weight: 5.78kg
Power Voltage	Working Voltage: AC 100-240V 50/60Hz Power Supply: 52V 15.3A / 13V 7.15A
Power Consumption	PoE Total Power: maximum 780W Mainboard Power Consumption: 57.2W
Software Function - L3 Function	
IPV4	IPV4 VLAN Interface IPV4 Static Routes ARP
IPV6	IPV6 VLAN Interface IPV6 Static Routes IPV6 ND
RIP	V1/V2
OSPF	Router-ID Authentication V2
Software Function - L2 Function	
Port	Port Switch Port Description Port Speed Port Duplex Port Flow Control Jumbo, up to 10K Support 10G/2.5G (2023.3.2) Fiber Module(DDM)
Link Aggregation	Supports Load Balance Policy; Base on MAC and IP-MAC Static and Dynamic Group Supports LACP Up to 8 Groups
Storm Control	Boardcast 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 Port Security MAC Address Protect/Restrict/Shutdown

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Software Function - L2 Function	
Port Isolation	Support
Port Rate-Limit	Support
Loopback Detection	Support
VLAN	Access/Trunk/Hybrid VLAN Tunnel (Q-in-Q Tunnel) Congurable VID from 1 - 4094; max. 4K Static VLAN Groups Voice VLAN MAC VLAN Surveillance VLAN Protocol VLAN GVRP
MAC Address	Dynamic Address Static Address Filtering Address
Spanning Tree Protocol	STP/RSTP/MSTP BPDU Filter/BPDU Guard/EDGE Port
ERPS	Only SFP Port All Port
LLDP	LLDP LLDP MED
Multicast	IGMP Snooping IGMP V1/V2/V3 Router Port Static IGMP Group Address IGMP Groups Filtering Querier MLD Snooping MVR
QoS	Traffic Classification Based, Strict Priority and WRR Port Priority 802.1P Priority IP TOS Priority IP DSCP Priority Supports up to 8 Queues per Port Priority Remarking
PoE Management Functions	
PoE Configuration	PoE Temperature PoE Type/Level/Power/Voltage/Current PoE Switch
PoE Schedule	Support
PoE Port Timer Reboot	Support
Services	
DHCP	DHCP Server IP Pool Static Binding DHCP Relay Option 43
Access Protocol	HTTP HTTPS Telnet SSHV2 Manager ACL Session Timeout Password Retry Count Silent Time

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Specifications

Security	
AAA	Radius TACACS+ 802.1X Base on Port/MAC/Local/Web
DHCP Snooping	Global/VLAN Option 82 Circuit ID
IP Source Guard	Support
Dynamic ARP Inspection	Support
DOS	Support
ACL	MAC ACL IPV4 ACL IPV6 ACL
Diagnostics	
Syslog	Logging Message Remote Server
Ping	Support
Traceroute	Support
Copper Test	Support
UDLD	Support
Management	
Manager Access	Console HTTP/HTTPS Telnet SSH SNMP
Manager IP	Static Address DHCP Client Supports IPV4 and IPV6 Address Manager VLAN DNS
Time Synchronization	SNTP Manual Time
SNMP	V1/V2C/V3 Community V3 User Group Trap Host
SNMP MIB	RFC 1213 MIB-II RFC 1493 Bridge MIB RFC 1643 Ethernet MIB RFC 2819 RMON MIB (Groups 1, 2, 3 and 9) RFC 2863 Interface MIB LLDP Private MIB
RMON	Statistics History Event Alarm
User	Support
Firmware	Double Image; Swap Between Active And Alternate Firmware Image. Firmware Upgrade

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Specifications

Management	
Configuration	Upload and Download via USB Interface
Others	Save, Restart, Factory Defaults
Standards Compliance	<ul style="list-style-type: none"> 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 802.1s Multiple Spanning Tree Protocol IEEE 802.1P Class Of Service IEEE 802.1Q VLAN Tagging IEEE 802.1x Port Authentication Network Control IEEE 802.1ab LLDP IEEE 802.3af Power Over Ethernet IEEE 802.3at Power Over Ethernet Plus IEEE 802.3bt PoE++ Power Over Ethernet Plus Plus 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 RFC 2710 MLD V1 RFC 3810 MLD V2 RFC 2328 OSPF V2