



52-Port L2 Managed Gigabit Ethernet Switch, 4 x SFP+ 10-Gigabit

GTL-5260 is a 10G Ethernet layer 2 managed switch featuring high performance hardware and software, ideal for large-scale enterprise deployments.

GTL-5260 offers 48 10/100/1000Mbps ports and four fixed 10Gbps SFP ports, working as either a fast and reliable edge switch to connect to the core, or as the core switch itself.

GTL-5260 is an optimum choice for the aggregation layer of large networks, providing ultra-fast long distance fiber connections. This 10G Layer 2 switch complies with the RoHS, CE and FCC standards.

Key Features

- IEEE 802.1d/w/s Spanning Tree Protocol (STP) and port mirroring
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- 48 Gigabit Ethernet ports and 4 10-Gigabit SFP+ slots
- Supports port-based VLAN, IEEE 802.1Q VLAN Tagging
- Supports VLAN (Port-based, Protocol-based, Private, Q-in-Q, Tag-based) and GVRP
- Supports Command Line Interface (in RS-232 Console, Telnet, SSH)
- IEEE 802.3ad LACP for auto port aggregation of up to 128 groups, 8 ports per group
- Supports Access Control List (ACL) authentication of up to 1536 entries and port-based security with IEEE802.1X

Specifications

System Specifications

Standards & Protocols:

- IEEE 802.3 10-BASE-T, Ethernet
- IEEE 802.3u 100-BASE-TX, Fast Ethernet
- IEEE 802.3ab 1000BASE-T, Gigabit Ethernet
- IEEE 802.3ae 10 Gigabit Ethernet
- IEEE 802.1ab Station and Media Access Control Connectivity Discovery (LLDP)
- IEEE 802.1p Quality of Service (QoS)
- IEEE 802.1Q Virtual LANs (VLANs)
- IEEE 802.1D MAC Bridges
- IEEE 802.1s Multiple Spanning Tree Protocol (MSTP)
- IEEE 802.1d Standard Spanning Tree Protocol (STP)
- IEEE802.1V VLAN Classification by Protocol and Port
- IEEE 802.1w Rapid Spanning Tree Protocol (RSTP)
- IEEE 802.1X Port-based Network Access Control (PNAC)
- IEEE 802.3x Flow Control (full-duplex flow control)
- IEEE 802.3ad Link Aggregation Control Protocol (LACP)

**Memory:**

256M

Flash 32M

Buffer Memory:

1.5MB

Connectors and Cabling:

48 x 10/100/1000Base-T RJ-45 Ports

4 x 10G Gigabit SFP plus slots

Indicator:

Power, Link/Active

Transmission Method:

Storage and Forwarding

Power:

Power Input: 100-240V AC, 50-60 Hz

Features

General:

Spanning Tree:

IEEE 802.1D MAC Bridges

IEEE 802.1d Spanning Tree Protocol (STP)

IEEE 802.1w Rapid Spanning Tree Protocol (RSTP)

IEEE 802.1s Multiple Spanning Tree Protocol (MSTP)

STP Auto Edge; Loop detection and prevention & BPDU filter/guard.

IGMP snooping: v1/v2/v3;

Port Mirroring: One-to One and Many-to-One TX/RX; Support RSPAN/ERSPAN.

Port Trunking: IEEE 802.3ad LACP

DHCP: DHCP Client; DHCP Server; DHCP Relay (Layer 2)

Quality of Service(QoS):

- Priority Queues: 8 hardware queues per port

- Traffic classification based on IEEE 802.1p CoS, IP Precedence, DSCP, TCP/UDP port number, Access Control List, marking DiffServ

- Supports SP,WRR,SWRR,DWRR and strict priority

VLAN:

- Port-based. IEEE802.1Q VLAN Tagging. Private VLAN. Protocol VLAN.

- GVRP, Vlan ingress Check .

- Voice VLAN, VLAN translation, VLAN Trunking.

- QinQ.

IPv6:

- IPv4/IPv6 Dual Protocol Stack, IPv6 Address Types (Unicast, Multicast)

- NDP, ICMPv6, ND Snooping, IPv6 ping/tracert

- SNMP over IPv6, HTTP over IPv6

- IPv6 syslog, IPv6 FTP/TFTP, IPv6 Telnet, IPv6 RADIUS+

- Support Static Route, Multicast VLAN, MLD v1/v2 snooping

Security:

Port security:

- IP Source Guard, Supports IEEE 802.1X port-based and MAC-based access control

- IP filter configuration for management interface (SNMP, Telnet, Web)

- RADIUS authentication, Access Control List, MAC filter

- Dynamic ARP Inspection, Link detection

- Port-/MAC-/IP-based security Binding.

ACLs:

- Support for up to 1536 entries.
 - MAC ACL based on src/dst mac; vid; COS; TAG, UNTAG.
 - IPv4/v6 ACL based on src/dst IP; IP Protocol; IP Priority; DSCP.
- Support DHCP Snooping;DHCP Option 82?Option 43/60?Option 37/38; DHCP IPv6 SAVI.
Support Port Isolation.
Support IEEE 802.1x Authentication/Radius Authentication.
Support BPDU Attack Protection
Support DDoS Attack Defense.
Support UDP Flood Attack Defense.
Support Storm Control.

Management:

Loop detection default restore
CLI,Web GUI management
Software download through Web
Configuration download or upload
SNMPv1/v2c/v3 Agent
CLI console port
System Syslog
IEEE 802.1AB-2005 Link Layer Discovery, LLDP,ULDP

Performance

Backplane (Gbps):

Switching Capacity: 256 Gbps
Forwarding Rate:130 Mpps

MAC Address Table:

16K

Data Transfer Rate:

10/100/1000Mbps

Packet Forwarding Rate:

1000Mbps port - 1,488,000pps
100Mbps port - 148,000pps
10Mbps port - 14,880pps

Jumbo Frame (K):

9K

Environment

Temperature (°C):

Operating: 0°C ~ 50°C
Storage: -40°C ~ 70°C

Humidity (Non-condensing):

Storage: 5% ~ 95%
Operating: 10 ~ 90%

Deployment:

19-inch rack-mountable

Physical Specifications

Dimensions (W x D x H mm):

442 *280 *43.6 mm

Weight (g):

3800g



Reliability

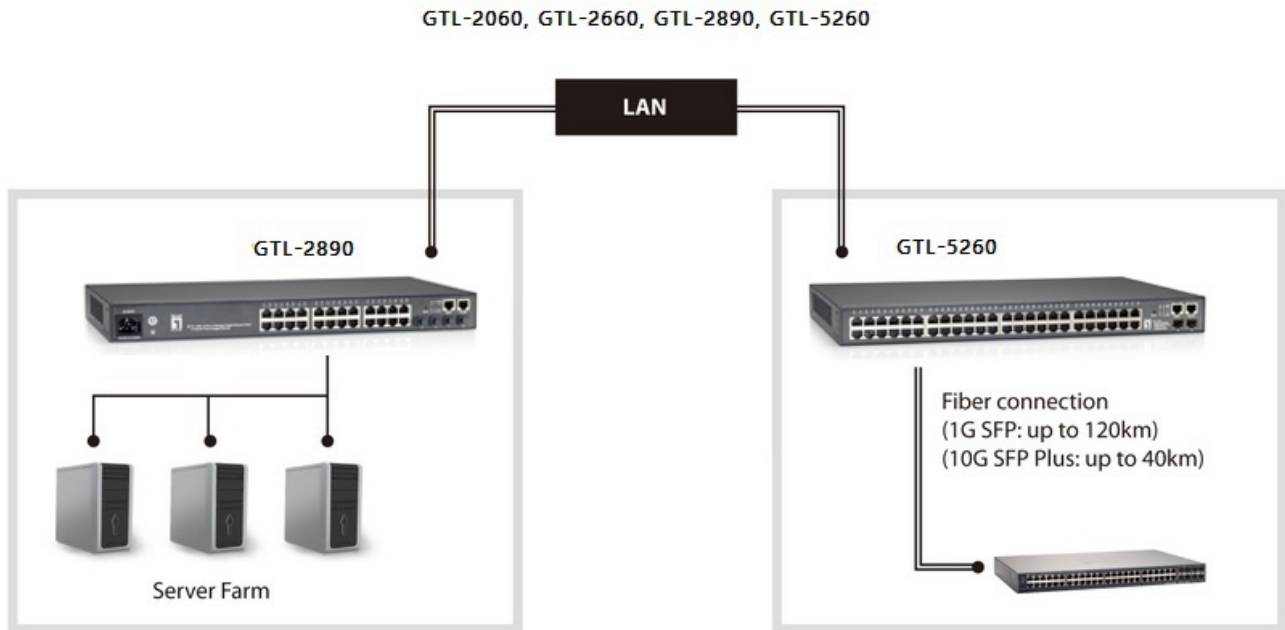
MTBF:

80000 Hours

Diagram

— Ethernet Cable (RJ-45)

== Fiber



Order Information

GTL-5260

Package Contents

GTL-5260

Power Cord

Quick Installation Guide

Resource CD (User Manual, QIG)

Bracket

Console Cable

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