GTL-5260 Version: 1



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. Protocal 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

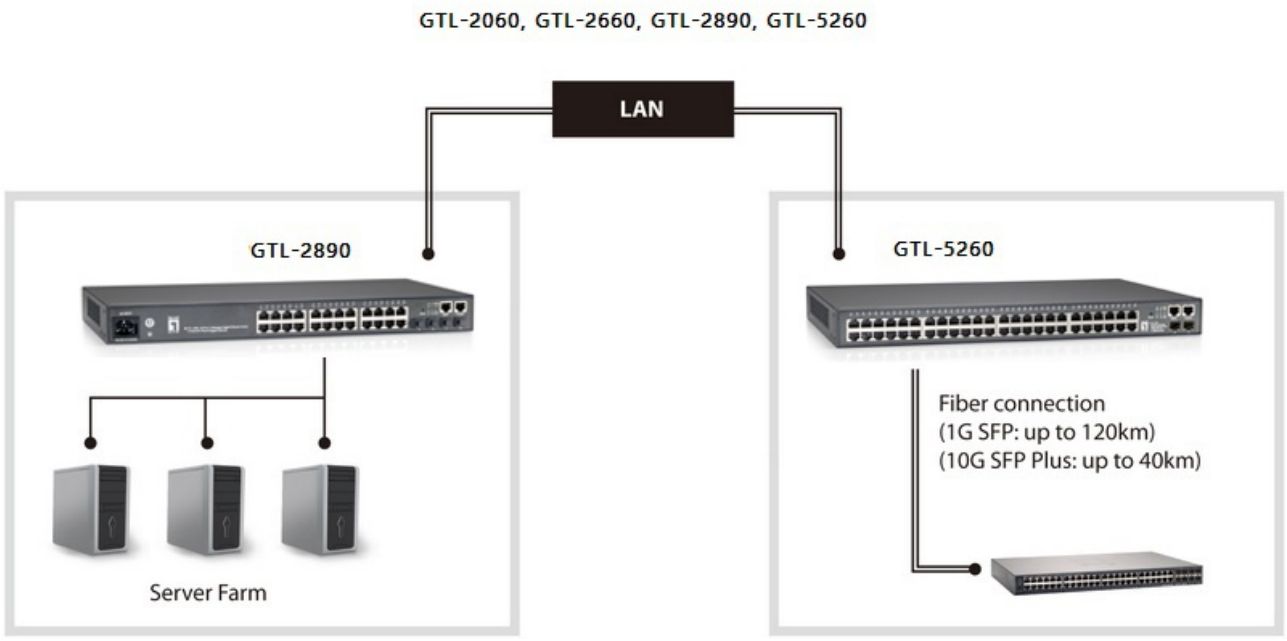
Reliability

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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