



28-Port L3 Managed Gigabit Ethernet Switch, 4 x SFP+ 10-Gigabit

GTL-2890 is a high performance, 10-Gigabit IPv6 Ethernet Layer 3 managed switch, with advanced hardware and rich software features providing compatibility for most applications at the network core. GTL-2890 offers twenty-four 10/100/1000Mbps ports and four fixed 10Gbps SFP ports. Designed for data center deployments,

GTL-2890 provides fast and seamless transfers at the core for access switches or DSLAM. With powerful traffic management and broadcasting control,

GTL-2890 is an ideal choice for the distribution or aggregation layer of large networks, providing long distance fiber connections. It is also an excellent choice as a core switch for enterprise customers, with advanced levels of security management. Complies with IPv6 form certification Phase II, as well as RoHS, CE and FCC standards.

Key Features

- 24 Gigabit Ethernet ports and 4 10-Gigabit SFP+ slots
- Supports Access Control List (ACL) authentication of up to 768 entries and port-based security with IEEE802.1X
- 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 port-based VLAN, IEEE 802.1Q VLAN Tagging
- Supports VLAN (Port-based, Protocol-based, Private, Q-in-Q, Tag-based) and GVRP
- IEEE 802.1d/w/s Spanning Tree Protocol (STP) and port mirroring

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 802.1d 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:

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

4x 10G Gigabit SFP plus slots

Button:

Reset Button

Indicator:

Power, Link/Active

Transmission Method:

Store-and-Forward

Features

General:

Quality of Service(QoS):

- Traffic Classification based on IEEE 802.1p CoS, IP Precedence

- Port Ingress/Egress Traffic Shaping

IEEE 802.1D/w Spanning Tree with Loopback detection, Auto edge port & BPDU filter/guard

Supports IGMP v1,v2,v3

VLAN:

- Max. 4K VLAN

- Port-based VLAN

- TAG-Based VLAN

- Private VLAN

- Protocol-based VLAN

- QinQ

- GVRP VLAN

IPv6.

Port Mirroring - user-defined mirroring port and mirrored port.

Support Static Link Aggregation,LACP,Max. 8 ports per LAG group.

Security:

Port/MAC Binding,BLACKHOLE MAC,MAC Address Filter

802.1x:

- Port-based Authentication

- MAC-based Authentication

- Billing based on schedule and traffic

- Guest VLAN

- Auto VLAN

Broadcast Storm Control.

ACL:

- Max. 1K ACL Rules

- ACL based on source/destination IP address, source/destination MAC address, TCP/UDP port, IP precedence and schedule.

BPDU Attack Defense,ICMP Attack Defense,DDoS Attack Defense.

supports ARP INSPECTION to avoid ARP SPOOFING attacks.

Management:

Web CLI(Telnet/SSH/Console);
System Log;supports ARP inspection.
Port Isolation;
Port Mirroring;
Supports SNMP v1,v2c,v3;

L3:

Static route table: 128
Multicast table: 1024
Host table: 16K
Unicast routing:
- Static unicast routes
Multicast routing:
- IGMP v1/v2/v3

Performance

Backplane (Gbps):

Switching Capacity: 128Gbps
Forwarding Rate: 96 Mpps

MAC Address Table:

Unicast: 16K
Multicast: 1024K

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%

Physical Specifications

Dimensions (W x D x H mm):

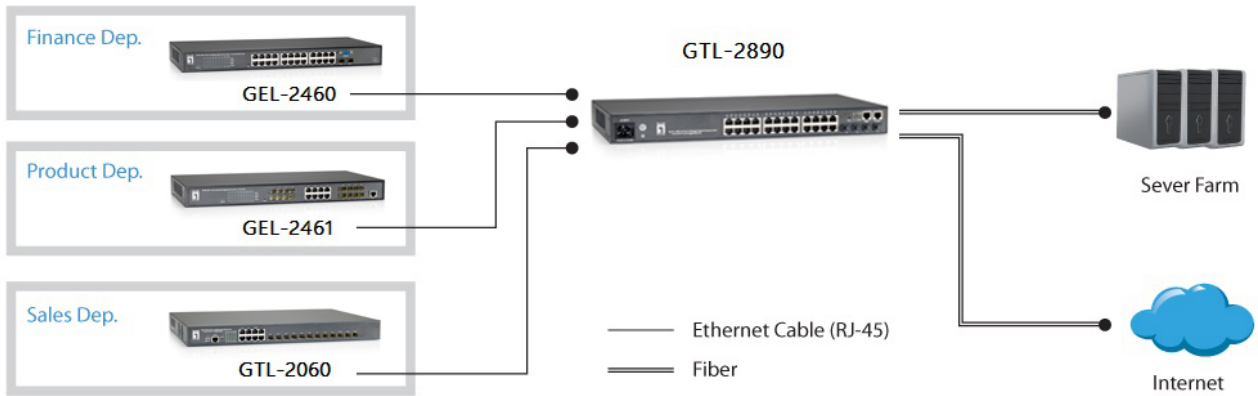
440 *230 *44mm

Weight (g):

3000g



Diagram



Order Information

GTL-2890

Package Contents

GTL-2890
Power Cord
Quick Installation Guide
Resource CD (User Manual, QIG)
Bracket
Console Cable

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