

GTL-2661 Version: 1



KILBY 26-Port L2 Managed Gigabit Switch, 2 x 10GbE SFP+

The GTL-2661 series includes high performance Gigabit Ethernet Layer2 switches featuring 26 ports; 24 10/100/1000BASE-T ports, two 10G SFP+ ports, and one 10G expansion slot for a dual port module. The switch is ideal for high performance server aggregations, such as enterprise data centers, where it can connect high end or network attached file servers through fiber ports. It can also be deployed as a backbone upgrade, or to provide Gigabit to the desktop for power users. This switch is packed with features and is a cost effective solution that brings continuous availability, enhanced security, and advanced QoS to the network edge, while maintaining simplicity of management.

Key Features

- 24 Gigabit Ethernet ports and 2 10-Gigabit SFP+ slots
- IEEE 802.3ad LACP for auto port aggregation
- IEEE 802.1d/w/s Spanning Tree Protocol (STP) and port mirroring
- Provides QoS control based on IP DSCP for advanced traffic prioritization and bandwidth management
- MLD, Telnet, SNMP V1, V2c & V3, RMON, Web Browser, and TFTP Management
- Dynamic ARP Inspection (DAI) protects switches against ARP spoofing
- Minimize carbon footprint with advanced energy efficient technology (IEEE 802.3az)
- Supports IPv4/IPv6 network operation

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 802.3z 1000BASE-X, Gigabit Ethernet
 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
 IEEE 802.1s Multiple Spanning Tree (MSTP)
 IEEE 802.1w Rapid Spanning Tree Protocol (RSTP)
 IEEE 802.3x Flow Control
 IEEE 802.3ad Link Aggregation Control Protocol (LACP)
 IEEE 802.3az Energy-Efficient Ethernet
 Link Layer Discovery Protocol (LLDP)
 Universal Plug and Play (UPnP)

**Memory:**

32MB

Buffer Memory:

12Mbits

Port:

24x RJ-45 10/100/1000BASE-T ports

2 x 10G SFP+ Slots

1 x RJ45 Console port

Button/Knob:

Reset / Factory Default Button

Indicator:

Power; Link/Active

Transmission Method:

Store-and-Forward

Power Input:

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

Power Consumption:

< 20W

Backplane (Gbps):

88Gbps

MAC Address Table:

16K

Data Rate:

10/100/1000Mbps

Features

General:

Quality of Service (QoS):

8 hardware Priority Queues per port

Traffic classification based on IEEE 802.1p CoS

IPv4/IPv6 precedence/ type of service (ToS) / DSCP based

Rate Limiting - Ingress policer egress shaping and rate control

Spanning Tree:

Bridge Protocol Data Units (BPDU)

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)

Virtual Local Area Network (VLAN):

802.1Q tag-based VLAN - up to 4K VLANs and 4K VLAN IDs

Port-based VLAN

MAC-based VLAN

DHCP: DHCP Client; DHCP Relay (Layer 2)

IPv6:

IPv6 Ping / Trace / Telnet / Syslog / TFTP

IGMP:

IGMP v1/v2/v3 snooping; IGMP Queried; IGMP Filtering /Throtting

Port Mirroring:

One to One /One to Many

IEEE 802.3ad LACP Trunk

Security:

DDOS Protection
CPU Guard
Port Isolation
Port Mirror /Remote Mirror
Broadcast / Multicast / Unknown Storm Control
802.1X
ACL
Port Security
MAC Filter / MAC Authentication
AAA
IP Source Guard
SSH
IP clustering

Management:

System Password protection
NTP/SNTP
Dual Image /Configuration
Firmware upgrade /download (HTTP/TFTP/FTP)
RMON/ SNMP
Management Access (Console / SNMP/ Web / Telnet)
Memory Flash Log
Event /Error Log
DHCP v4/v6 Snooping
DHCP Snooping Option82

L3:

Static routing

Performance**Packet Forwarding Rate:**

65.5 Mpps

Jumbo Frame (K):

10K

Environment**Power Saving:**

IEEE 802.3az Energy Efficient Ethernet:

- Automatically turns power off on RJ-45 port when detecting link down or Idle of client
- Cable length detection: Adjusts the signal strength based on the cable length
- Reduces the power consumption for cables shorter

Acoustic Noise:

0 dB (A)

Heat Dissipation:

68.242 (Btu/H)

Operating Temperature (°C):

Operating : 0°C ~ 50°C

Operating Humidity (Non-condensing):

Operating/Storage : 10% to 90%

Installation:

desktop & 19-inch rack-mountable



Physical Specifications

Dimensions (W x D x H mm):

440*220*44mm

Weight (g):

2290g

Reliability

MTBF:

25 degree: 636,219 hr

45 degree: 381,031 hr

Approval and Compliance

EMI/EMS:

CE classA

FCC

VCCI

BSMI

Safety:

UL

Order Information

GTL-2661

Package Contents

GTL-2661

Power Cord

Quick Installation Guide

Resource CD (User Manual, QIG)

Console Cable

19" Rack Mount Kit

Optional Accessory



DAC-0101

10Gbps SFP Direct Attach Copper Cable, 1m, Twinax



DAC-0103

10Gbps SFP Direct Attach Copper Cable, 3m, Twinax

**DAC-0105**

10Gbps SFP Direct Attach Copper Cable, 5m, Twinax