

# 24-Port Gigabit Web Smart Switch

- **Standards**
  - IEEE 802.1d
  - IEEE 802.1p
  - IEEE 802.1Q
  - IEEE 802.1s
  - IEEE 802.1w
  - IEEE 802.1X
  - IEEE 802.1ab
  - IEEE 802.3
  - IEEE 802.3x
  - IEEE 802.3z
  - IEEE 802.3ab
  - IEEE 802.3ad
  - IEEE 802.3az
- **Device Interface**
  - 24 x Gigabit ports (ports 1-24)
  - 4 x Shared SFP slots (shared with ports 21-24)
  - LED indicators
- **Data Transfer Rate**
  - Ethernet: 10 Mbps (half duplex), 20 Mbps (full duplex)
  - Fast Ethernet: 100 Mbps (half duplex), 200 Mbps (full duplex)
  - Gigabit Ethernet: 2000 Mbps (full duplex)

- **Performance**
  - Switch fabric: 48 Gbps
  - RAM buffer: 1 MB
  - MAC Address Table: 16K entries
  - Jumbo Frames: 10 Kbytes
  - HOL Blocking Prevention
  - Forwarding rate: 35.7 Mpps (64-byte packet size)
  
- **Management**
  - HTTP/HTTPS (SSL v2/3 TLS) Web based GUI
  - SNMP v1, v2c, v3
  - RMON v1
  - Static Unicast MAC Address
  - Enable/disable 802.3az Power Saving
  - LLDP
  - Virtual Cable Test
  - IPv6: IPv6 Neighbor Discovery, IPv6 Static IP, DHCPv6, Auto configuration
  
- **MIB**
  - MIB II RFC 1213
  - Bridge MIB RFC 1493
  - Bridge MIB Extension RFC 2674
  - SNMPv2 MIB RFC 1907
  - Ethernet Interface MIB RFC 1643
  - Ethernet –like MIB RFC 2863
  - Interface Group MIB RFC2233
  - MIB Traps Convention RFC 1215

- RMON MIB RFC 1757, RFC 2819
- 802.1p MIB RFC 2674
- RADIUS Client Authentication MIB RFC 2618
- LLDP-MIB IEEE 802.1ab
- Ping MIB RFC 2925, RFC 4560
- **Spanning Tree**
  - IEEE 802.1D STP (Spanning Tree protocol)
  - IEEE 802.1w RSTP (Rapid Spanning Tree protocol)
  - IEEE 802.1s MSTP (Multiple Spanning Tree protocol)
- **Link Aggregation**
  - Static Link Aggregation
  - 802.3ad Dynamic LACP
- **Quality of Service (QoS)**
  - 802.1p Class of Service (CoS)
  - DSCP (Differentiated Services Code Point)
  - Bandwidth Control per port
  - Queue Scheduling: Strict Priority, Weighted Round Robin (WRR)
- **VLAN**
  - Multiple management VLAN assignment
  - Asymmetric VLAN
  - 802.1Q Tagged VLAN
  - Dynamic GVRP
  - Up to 256 VLAN groups, ID Range 1-4094
  - Private VLAN (Protected Ports)
  - Voice VLAN (10 user defined OUIs)

- **Multicast**
  - IGMP Snooping v1, v2, v3 (per VLAN)
  - Static Multicast Address
  - Up to 256 multicast entries
- **Port Mirror**
  - RX, TX, or Both
  - One to one
- **Security**
  - 802.1X Port-Based Network Access Control , RADIUS, TACACS+
  - Local Dial In User Authentication
  - DHCP Snooping (per VLAN)
  - Loopback Detection
  - Duplicated Address Detection
  - Trusted Host
  - Denial of Service (DoS)
- **ACL IPv4 L2-L4 & IPv6**
  - MAC Address
  - VLAN ID
  - Ether Type (IPv4 only)
  - IP Protocol 0-255
  - TCP/UDP Port 1-65535
  - 802.1p
  - DSCP (IPv4 only)
  - IPv6 Address (IPv6 only)
- **Compatibility**

- Optional Software Utility: Windows® 8, 7, Vista, XP, Windows® 2003/2008 Server
- **Special Features**
  - Fanless Design
  - IPv6
  - 802.3az power saving
  - Rack mountable
- **Power**
  - Input: 100 - 240 V AC, 50/60 Hz, internal power supply
  - Consumption: 15 Watts (max.)
- **Operating Temperature**
  - 0 – 45°C (32 - 113°F)
- **Operating Humidity**
  - Max. 90% non-condensing
- **Dimensions**
  - 440 x 210 x 44.45 mm (17.3 x 8.27 x 1.75 in.)
  - Rack mountable 1U height
- **Weight**
  - 2.8 kg (6.2 lbs.)
- **Certifications**
  - CE
  - FCC
- **Warranty**
  - 3 year limited

## Package Contents

- TEG-240WS
- Multi Language Quick Installation Guide
- CD-ROM (Utility & User's Guide)
- Power cord (1.8 m/6 ft.)
- Rack mount hardware