



8-Port Gigabit Web Smart Switch

TEG-082WS (v1.0R)

- 8 x Gigabit ports
- 2 x shared SFP slots
- 16 Gbps switching capacity
- Built-in power supply
- Advanced Web Smart management
- Fanless design reduces energy consumption and operating noise
- Rackmount brackets included
- Limited Lifetime Warranty

TRENDnet's fanless 8-Port Gigabit Web Smart Switch, model TEG-082WS, offers 8 x Gigabit ports, 2 x shared SFP slots, a built-in power supply, and a 16 Gbps switching capacity. This IPv6 ready switch offers advanced traffic management, troubleshooting, access control, energy saving GREENnet, and monitoring features at a reduced cost.



Hardware Design

Provides 8 x Gigabit ports, 2 x shared SFP slots, a 16 Gbps switching capacity, a built-in power supply, and rackmount brackets.



Fanless

Fanless design reduces energy consumption and operating noise.



IPv6 Ready

This switch supports IPv6 configuration and IPv6 neighbor discovery.



Traffic Management

A broad range of network configurations are supported by: 802.3ad link aggregation, Asymmetric VLAN, 802.1Q VLAN, Voice VLAN, Private VLAN, Bandwidth Controls, GVRP, IGMP v1-v3, 802.1p Class of Service (CoS), Spanning Tree (STP, RSTP, and MSTP), and QoS queue scheduling.



Troubleshooting

Real time traffic comparison charts, error group charts, and a convenient cable diagnostic test aid in rapid troubleshooting.



Access Controls

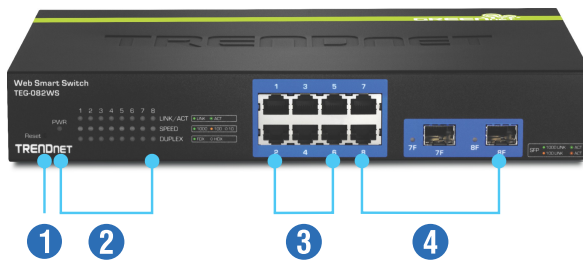
Features such as ACL, SSL, MAC/port filtering, Denial of Service controls, 802.1X, TACACS+, and RADIUS are compatible with layered network access controls.



Monitoring

RMON, SNMP, SNMP Trap, and Port Mirroring support administrator monitoring solutions.

Networking Solution



- 1 Reset button
- 2 LED indicators

- 3 Gigabit ports
- 4 Shared SFP/Gigabit ports



- 5 Power
- 6 Rackmount bracket included

Specifications

Standards

- IEEE 802.1D
- IEEE 802.1Q
- IEEE 802.1S
- IEEE 802.1X
- IEEE 802.1p
- IEEE 802.1w
- IEEE 802.3
- IEEE 802.3u
- IEEE 802.3x
- IEEE 802.3z
- IEEE 802.1ab
- IEEE 802.3ab
- IEEE 802.3ad
- IEEE 802.3az

Device Interface

- 8 x Gigabit ports (ports 1-8)
- 2 x Shared SFP slots (shared with ports 7 - 8)
- 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: 16 Gbps
- RAM buffer: 1 MB
- MAC Address Table: 16K entries
- Jumbo Frames: 10 KB
- HOL Blocking Prevention
- Forwarding rates: 11.9 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 OUs)

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
- Many to one

Access Control

- 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® 8.1, 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: 13.8 Watts (Max.)

MTBF

- 1,054,337 hours

Temperature

- Operating: 0 – 45 °C (32 - 113 °F)

Operating Humidity

- Max. 90% non-condensing

Dimensions

- 280 x 180 x 44 mm (11 x 7.1 x 1.7 in.)
- Rack mountable 1U height

Weight

- 1.5 kg (3.4 lbs.)

Certifications

- CE
- FCC

Warranty

- Limited Lifetime Warranty

Package Contents

- TEG-082WS
- Multi-Language Quick Installation Guide
- CD-ROM (Utility & User's Guide)
- Power cord (1.8 m/6 ft.)
- Rack mount hardware

TRENDnet offers a limited lifetime warranty for all of its metal-enclosed network switches that have been purchased in the United States/Canada on or after 1/1/2015. Cooling fan and internal power supply carry a one-year warranty.

