



TEG-082WS (V1.0R)

SETUP INFO

UPC #	710931140071
Product Page	http://www.trendnet.com/products/proddetail.asp?prod=195_TEG-082WS
Additional Images	http://www.trendnet.com/support/supportdetail.asp?prod=195_TEG-082WS
Alternate Product Name	8-Port Gigabit Web Smart Switch, 10/100/1000 Mbps, SFP, rack mountable, fanless
Key Search Words	Fanless, rack mountable, switch, 8 port Gigabit, Web Smart Switch, 10/100/1000 Mbps, Gigabit, SFP slots, IPv6, 802.3ad link aggregation, Asymmetric VLAN, 802.1Q VLAN, Voice VLAN, GVRP, 802.1p Class of Service, QoS queue scheduling, CoS, RSTP, MSTP, Loop Back Detection, ACL, SSL, MAC / Port filtering, 802.1X, ARP Spoofing prevention, TACACS+, RADIUS, RMON, SNMP, SNMP Trap, Port Mirroring
Unit Dimensions	34.7 x 27.5 x 8.2 cm (14 x 11 x 4 in.)
Unit Weight	4.07 kg (9.02 lbs.)
Unit Qty per Case	5
Case Dimension	46 x 37 x 30 cm (19 x 15 x 12 in.)
Case Weight	18.5 kg (41 lbs.)
Harmonized Tarriff Code	8471801000
ECCN	5A991
Country of Origin	China
Product Availability Date	November 2014
Warranty	3 year limited
MSRP	\$184.99



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

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



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

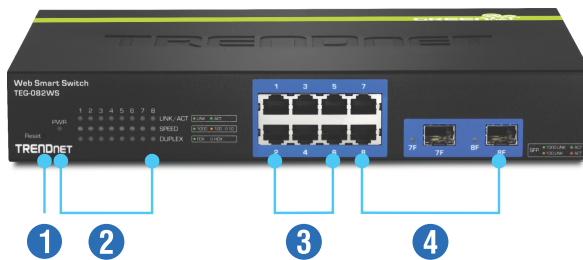
Features such as ACL, SSL, MAC/port filtering, Denial of Service controls, 802.1X, TACACS+, and RADIUS are compatible with layered network access controls.



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 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
- 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

- 3 year limited

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

