



12-Port 10G Web Smart Switch with 8 x 10GBASE-T ports including 2 x 10G SFP+ slots and 2 x shared 10GBASE-T / 10G SFP+ slots

TEG-40128 (v1.0R)

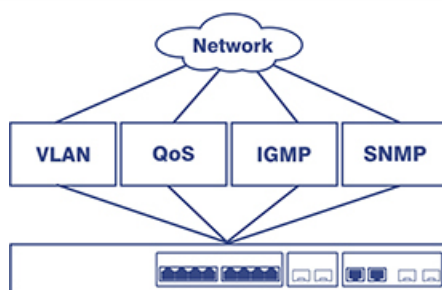
- 8 x 10GBASE-T ports, 2 x 10G SFP+ slots, and 2 x 10GBASE-T / 10G SFP+ shared ports
- Easy to use web-based management interface
- 240 Gbps switching capacity
- 802.1Q, Dynamic GVRP, Private, and Voice VLAN
- IGMP v1, v2, v3 snooping
- STP, RSTP, and MSTP spanning tree protocols
- SNMP (v1, v2c, v3), SNMP Trap, RMON, port mirror, syslog, and SMTP alert
- ACLs, MAC filtering, DoS, and 802.1X / TACACS+ network access control
- 802.1p / DSCP / Queue Scheduling QoS support
- Smart fans reduce energy consumption and auto adjust for efficiency

TRENDnet's 12-Port 10G Web Smart Switch with 8 x 10GBASE-T ports including 2 x 10G SFP+ slots and 2 x shared 10GBASE-T / 10G SFP+ slots, model TEG-40128, is a cost-effective switch for high-speed network uplinks or downlink server connections. A convenient web-based management interface offers features for traffic control, troubleshooting, access control, and monitoring allowing for network integration flexibility into an SMB network.



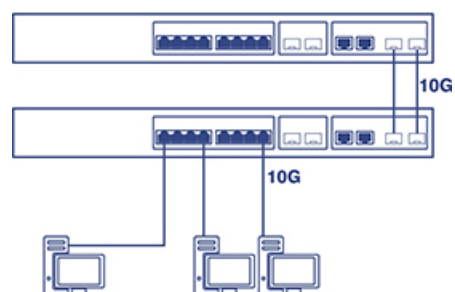
Web Smart Management

Provides an easy to use web-based GUI management for reduced switch configuration complexity and offers a combination of more commonly used SMB management features for easy deployment.



Integration Flexibility

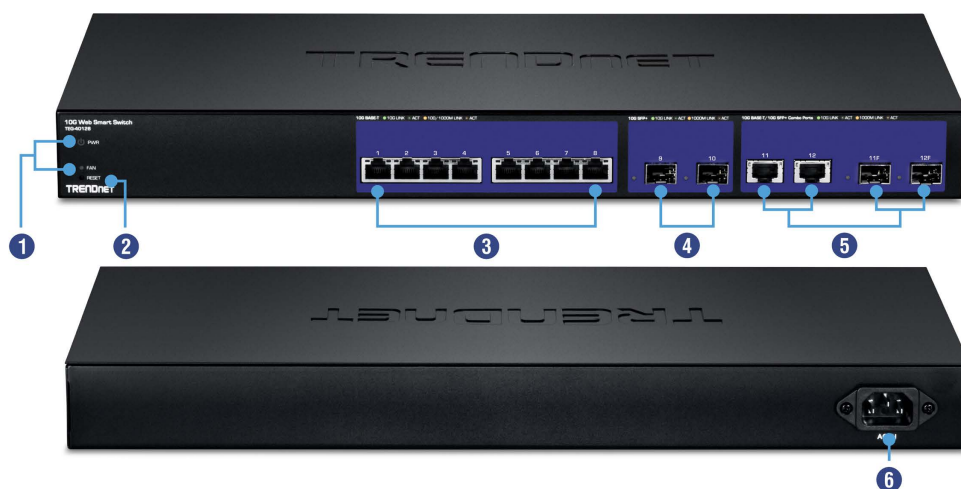
Managed features include access control lists, VLAN, IGMP snooping, QoS, RMON, SNMP trap and syslog for monitoring and flexible network integration.



High-Speed 10GBASE-T and 10G SFP+

Offers eight 10GBASE-T Ethernet ports, two 10G SFP+ slots, and two 10GBASE-T / 10G SFP+ shared ports for high-speed network uplinks or downlink NAS / access server connections providing a cost-effective solution in adding 10G link capability to an SMB network.

Networking Solution



- 1 LED indicators
- 2 Reset button
- 3 10GBASE-T ports
- 4 10G SFP+ slots
- 5 10GBASE-T ports / 10G SFP+ shared slots
- 6 Power port



Hardware

Provides 8 x 10GBASE-T ports, 2 x 10G SFP+ slots, and 2 x 10GBASE-T / 10G SFP+ shared ports for high-speed network uplinks or downlink server connections, and 1U rack mountable.



Smart Fans

Smart fans saves energy by auto-adjusting the fan speed and use based on cooling needs.



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, 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.

Specifications

Standards

- IEEE 802.1d
- IEEE 802.1p
- IEEE 802.1Q
- IEEE 802.1s
- IEEE 802.1w
- IEEE 802.1X
- IEEE 802.1ab
- IEEE 802.3u
- IEEE 802.3x
- IEEE 802.3z
- IEEE 802.3ae
- IEEE 802.3ab
- IEEE 802.3ad
- IEEE 802.3an
- IEEE 802.3az

Device Interface

- 8 x 10GBASE-T ports
- 2 x 10G SFP+ slots
- 2 x 10GBASE-T ports / 10G SFP+ shared slots
- LED indicators

Data Transfer Rate

- Fast Ethernet: 100 Mbps (half duplex), 200 Mbps (full duplex)
- Gigabit Ethernet: 2000 Mbps (full duplex)
- 10 Gigabit Ethernet: 20 Gbps (full duplex)

Performance

- Switch fabric: 240 Gbps
- RAM buffer: 2 MB
- MAC Address Table: 16K entries
- Jumbo Frames: 10 KB
- HOL Blocking Prevention
- Forwarding rate: 178.6 Mpps (64-byte packet size)

Management

- Dual Image Configuration
- 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 RFC 2233
- 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® 10, 8.1, 8, 7, Vista, XP, Windows® 2003 / 2008 Server

Special Features

- High speed 10GBASE-T & 10G SFP+
- IPv6
- Rack mountable

Power

- Input: 100 - 240 V AC, 50/60 Hz, internal power supply
- Consumption: 90.81 Watts (max.)

Fan / Acoustics

- Quantity: 2
- Noise Level: 53 dB(A) (max.)

MTBF

- 217,863 hours

Operating Temperature

- 0 – 50 °C (32 - 122 °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

- 3.18 kg (7.01 lbs.)

Certifications

- CE
- FCC
- UL

Warranty

- 3 year limited

Package Contents

- TEG-40128
- Quick Installation Guide
- CD-ROM (Utility & User's Guide)
- Power cord (1.8 m / 6 ft.)
- Rack mount kit

