

EP-818DG-WFS

16-Port Gigabit Ethernet Web Smart Rack-mount Switch

EP-826DG-WFS

24-Port Gigabit Ethernet Web Smart Rack-mount Switch



QoS:

The switch offers powerful QoS function. This function supports TOS field of IP header (equal DSCP low 3 bits) on Layer 3 of network framework and 6 kinds of special network transmission events on Layer 4.

VLAN:

Supports Port-based VLAN, IEEE802.1Q Tag VLAN. And supports 16 active VLANs and VLAN ID 1~4094.

Port Trunking:

Allows one or more links to be aggregated together to form a Link Aggregation Group by the static setting.

Features

- 14 (10/100/1000Mbps) Gigabit Ethernet (TP) switching ports are compliant with IEEE802.3, 802.3u, 802.3z and 802.3ab.
- 2 Gigabit TP/SFP fiber are dual media ports with auto detected function.
- Non-blocking store-and-forward shared-memory Web-Smart switched.
- Supports auto-negotiation for configuring speed, duplex mode.
- Supports 802.3x flow control for full-duplex ports.
- Supports collision-based and carrier-based backpressure for half-duplex ports.
- Any ports can be in disable mode, force mode or auto-polling mode.
- Supports Head of Line (HOL) blocking prevention.
- Supports broadcast storm filtering.
- Web-based management provides the ability to completely manage the switch from any web browser.
- Supports Port-based VLAN and Protocol-based (IEEE802.1Q) VLAN.

- Auto-aging with programmable inter-age time.
- Supports 802.1p Class of Service with 2-level priority queuing.
- Supports port trunking with flexible load distribution and failover function.
- Supports port sniffer function
- Programmable maximum Ethernet frame length of range from 1518 to 9216 bytes jumbo frame.
- Supports port-based VLAN, 802.1Q tag-based VLAN.
- Efficient self-learning and address recognition mechanism enables forwarding rate at wire speed.

Hardware Specifications

- Standard Compliance: IEEE802.3/802.3ab / 802.3z / 802.3u / 802.3x
- Network Interface:

Configuration	Mode	Connector	Port
10/100/1000Mbps Gigabit TP	NWay	TP (RJ-45)	1 - 16
1000Base-SX Gigabit Fiber	1000 FDX	*SFP	15,16(Optional)
1000Base-LX Gigabit Fiber	1000 FDX	*SFP	15,16(Optional)
1000Base-LX Single Fiber WDM (BiDi)	1000 FDX	*SFP	15,16(Optional)

*Port 15, 16 are TP/SFP fiber dual media ports with auto detected function

*Optional SFP module supports LC or BiDi SC transceiver

- **Transmission Mode:** 10/100Mbps support full or half duplex
1000Mbps support full duplex only
- **Transmission Speed:** 10/100/1000Mbps for TP
1000Mbps for Fiber
- **Full Forwarding/Filtering Packet Rate:** PPS (packets per second)

Forwarding Rate	Speed
1,488,000PPS	1000Mbps
148,800PPS	100Mbps
14,880PPS	10Mbps

- **MAC Address and Self-learning:** 8K MAC address, 4K VLAN table entries,
- **Buffer Memory:** Embedded 400 KB frame buffer
- **Flow Control:** IEEE802.3x compliant for full duplex
Backpressure flow control for half duplex
- **Cable and Maximum Length:**

TP	Cat. 5 UTP cable, up to 100m
1000Base-SX	Up to 220/275/500/550m, which depends on Multi-Mode Fiber type
1000Base-LX	Single-Mode Fiber, up to 10/30/50Km

1000Base-LX WDM (BiDi)

Single-Mode Single Fiber, up to 20Km

▪ **Diagnostic LED:**

System LED :

Power

Per Port LED:

10/100/1000M TP Port 1 to 16

: LINK/ACT, 10/100/1000Mbps

1000M SFP Fiber Port 15,16

: SFP(LINK/ACT)

- **Power Requirement** : AC Line
- Voltage : 100~240 V
- Frequency : 50~60 Hz
- Consumption : 30W
- **Ambient Temperature** : 0° to 50°C
- **Humidity** : 5% to 90%
- **Dimensions** : 44(H) × 442(W) × 209(D) mm
- Comply with FCC Part 15 Class A & CE Mark Approval

Management Software Specifications

System Configuration	Auto-negotiation support on 10/100Base-TX ports, Web browser or console interface can set transmission speed (10/100Mbps) and operation mode (Full/Half duplex) on each port, enable/disable any port, set VLAN group, set Trunk Connection.
VLAN Function	Port-Base / 802.1Q-Tagged, allowed up to 256 active VLANs in one switch.
Trunk Function	Ports trunk connections allowed
Bandwidth Control	Supports by-port Egress/Ingress rate control
Quality of Service (QoS)	Referred as Class of Service (CoS) by the IEEE 802.1P standard Two queues per port
Network Management	Web browser support based on HTTP Server

► **Ordering Information**

Model No.	Description
EP-818DG-WFS	16-Port Gigabit Ethernet Web Smart Rack-Mount Switch
EP-826DG-WFS	24-Port Gigabit Ethernet Web Smart Rack-Mount Switch



SURECOM Technology Corp.

6F, No.125, Sec. 2, Datung Road, Shijr City, Taipei 221, Taiwan
Tel: 886-2-8692-6200 Fax: 886-2-8692-6132

E-mail: sales@surecom.com.tw website: www.surecom.com.tw