

# 24-Port 10/100Mbps + 4G TP/SFP Combo Ethernet Switch



The PLANET WGSW-2840 is a 24-Port 10/100Mbps Fast Ethernet Switch with 4-Port Gigabit TP/SFP Combo interface which boasts a high performance switch architecture that is capable of providing non-blocking switch fabric and wire-speed throughput as high as 12.8Gbps. It's four built-in GbE uplink ports also offer incredible extensibility, flexibility and connectivity to the Core switch or Servers.

The IEEE 802 standard-based firmware provides a rich set of features and ensures interoperability with equipment from other vendors. Additionally, the firmware includes advanced features such as IGMP snooping, broadcast storm control, and MAC address filtering, to enhance security and bandwidth utilization.

With its built-in web-based management, the PLANET WGSW-2840 offers an easy-to-use, platform-independent management and configuration facility. It supports standard Simple Network Management Protocol (SNMP) and can be managed via any standard-based management software. For text-based management, the WGSW-2840 can also be accessed via Telnet and the console port.

## KEY FEATURE

- 24-Port 10/100Mbps TP interfaces
- 4-Port Gigabit TP/SFP combo interface
- Complies with IEEE 802.3, 10Base-T, IEEE 802.3u, 100Base-Tx, IEEE 802.3ab 1000Base-T, IEEE 802.3z 1000Base-SX/LX Ethernet standards
- High backplane bandwidth 12.8Gbps
- Console/Web/SNMP management
- Configuration backup and recovery
- Per port Ingress/Egress bandwidth restriction
- IEEE 802.1d Spanning tree and IEEE 802.1w Rapid Spanning Tree support
- Configurable spanning tree aging time, STP port configuration
- 12 trunk groups, up to 8 ports per trunk
- Port-based/IEEE 802.1Q VLAN with 4K VLAN ID
- MAC Binding/Filtering/Learning, configurable MAC Aging time
- 8 mappings ID to 4 priority queues, Support MAC/VLAN/802.1p/Port to CoS mapping
- IGMP snooping and IGMP Query mode for Multi-media application
- Statistic Routing Port
- 1 to many Ingress/Egress Port mirror and Port analysis
- Broadcast/Multicast/Flooded storm control

**SPECIFICATION**
**Product** 24-Port 10/100Mbps + 4G TP/SFP Combo Ethernet Switch

<b>Model</b>	WGSW-2840
<b>Hardware Specification</b>	
<b>Network Connector</b>	24-Port RJ-45 for 10/100Base-TX 4-Port Gigabit TP/SFP mini-GBIC combo interfaces
<b>RS-232 connector</b>	One RS-232 DB-9 male connector for switch management
<b>Switch architecture</b>	Store and forward
<b>Switch Fabric</b>	Backplane up to 12.8Gbps
<b>MAC address</b>	8K MAC address table with Auto learning function
<b>Shared Buffer</b>	4Mbit
<b>Power requirement</b>	90~240V AC, 50/60Hz,
<b>Operating environment</b>	0~50 Degree C, 5%~90%RH
<b>Storage environment</b>	-20~70 Degree C, 5%~90%RH
<b>Dimension (W x D x H)</b>	440 x 248 x 44 mm
<b>Switch Specification</b>	
<b>Spanning Tree</b>	IEEE 802.1d and IEEE 802.1w
<b>Link Aggregation</b>	12 groups, up to 8 ports per group
<b>Priority Queue</b>	IEEE 802.1p Class of Service (4 Queues)
<b>Port Mirror</b>	RX/TX/Both
<b>Bandwidth Control</b>	Yes, per port per 64kbps, up to 80Mbps
<b>Strom Control</b>	Per 64kbps, up to 80Mbps
<b>IGMP Snooping</b>	V1
<b>MAC Filtering</b>	Yes
<b>LAN</b>	Port-Based / IEEE 802.1q, 4K VLAN ID, 256 groups
<b>Port Analysis</b>	Yes
<b>Static Routing Port</b>	Yes
<b>Management Function</b>	
<b>Management Interface</b>	Console / Web / Telnet / SNMP
<b>SNMP Version</b>	V2
<b>Support MIB</b>	Support SNMP MIBII(RFC 1213), Bridge MIB (RFC 1493), RMON group 1,2,3,9 Enterprise private MIB
<b>Standard Compliance</b>	
<b>Network Standard</b>	IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX IEEE 802.3z Gigabit SX/LX IEEE 802.3ab Gigabit 1000Base-T IEEE 802.3x Flow Control and Back pressure IEEE 802.3ad Port trunk with LACP IEEE 802.1d Spanning tree protocol IEEE 802.1w Rapid Spanning Tree IEEE 802.1p Class of service IEEE 802.1Q VLAN Tagging
<b>EMI</b>	FCC Class A, CE

**APPLICATIONS**
**Department / Workgroup Switch**

With 24 10/100Mbps ports and 4 10/100/1000Base-T ports, the WGSW-2840 connect up to 28 workstations in your Ethernet environment. The four SFP mini-GBIC interfaces uplink to a department backbone, meanwhile, this switch provides an 12.8 Gigabit per second switch fabric, and allows the WGSW-2840 to provide high bandwidth for backbone connection.

**MTU Switch**

In an MTU/MDU application, the advanced functionality of the WGSW-2840 eliminates traditional problems associated with the use of Ethernet. Users can be segregated with advanced VLAN functionality to enhance security, and bandwidth managed with tiered bandwidth provision and control using configurable upstream/downstream restrictions. This, coupled with the flexible mini-GBIC 1000Base-SX/LX module options makes the WGSW-2840 one of the best and most cost-effective switch solutions for Multi-tenant service providers.

**ORDERING INFORMATION**

<b>WGSW-2840</b>	24-Port 10/100Mbps + 4G TP/SFP Combo Ethernet Switch
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