

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



The PLANET WGSW-5240 is a 48-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 17.6Gbps. Its four built-in GbE uplink ports also offer incredible extensibility, flexibility and connectivity to the Core switch or Servers.

The IEEE802 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-5240 offers an easy-to-use, platform-independent management and configuration facility. The PLANET WGSW-5240 supports standard Simple Network Management Protocol (SNMP) and can be managed via any standard-based management software. For text-based management, the WGSW-5240 can also be accessed via Telnet and the console port.

### KEY FEATURE

- 48-Port 10/100Mbps TP interfaces
- 4-Port Gigabit TP/SFP combo interface
- Complies with IEEE802.3, 10Base-T, IEEE802.3u, 100Base-Tx, IEEE802.3ab 1000Base-T, IEEE802.3z 1000Base-LX/SX Ethernet standards
- High back-plane bandwidth 17.6Gbps
- Console/Web/SNMP management
- Configuration backup and recovery
- Per port Ingress/Egress bandwidth restriction
- 802.1d Spanning tree, 802.1w Rapid Spanning Tree
- Configurable spanning tree aging time, STP port configuration
- 12 trunk groups, up to 8 ports per trunk
- Port-based/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 **48-Port 10/100Mbps + 4G TP/SFP Combo Ethernet Switch**

Model	WGSW-5240
<b>Hardware Specification</b>	
Network Connector	48-Port RJ-45 for 10/100Base-TX 4-Port Gigabit TP/SFP mini-GBIC combo interfaces
RS-232 connector	One RS-232 DB-9 male connector for switch management
Switch architecture	Store and forward switch architecture.
Switch Fabric	Back-plan up to 17.6Gbps
MAC address	8K MAC address table with Auto learning function
Shared Buffer	7Mbit
Power requirement	90~240V AC, 50/60Hz,
Operating environment	0~50 Degree C, 5%~90%RH
Storage environment	-20~70 Degree C, 5%~90%RH
Dimension (W x D x H)	440 x 280 x 44 mm
<b>Switch Specification</b>	
Spanning Tree	802.1d, 802.1w
Link Aggregation	12 groups, up to 8 ports per group
Priority Queue	802.1p Class of Service (4 Queues)
Port Mirror	RX/TX/Both
Bandwidth Control	Yes, per port per 64kbps, up to 80Mbps
Strom Control	Per 64kbps, up to 80Mbps
IGMP Snooping	v1, v2
MAC Filtering	Yes
VLAN	Port-Based/802.1q, 4K VLAN ID, 256 groups
Port Analysis	Yes
Static Routing Port	Yes
<b>Management Function</b>	
Management Interface	Console/Web/Telnet/SNMP
SNMP Version	v1, v2c
Support MIB	Support SNMP MIB2 (RFC 1213), Bridge MIB (RFC 1493), RMON group 1, 2, 3, 9 Enterprise private MIB
<b>Standard Compliance</b>	
Network Standard	IEEE802.3 10Base-T IEEE802.3u 100Base-TX IEEE802.3z Gigabit SX/LX IEEE802.3ab Gigabit 1000Base-T IEEE802.3x Flow Control and Back pressure IEEE802.3ad Port trunk with LACP IEEE802.1d Spanning tree protocol IEEE802.1w Rapid Spanning Tree IEEE802.1p Class of service IEEE802.1Q VLAN Tagging
EMI	FCC Class A, CE

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

With 48 10/100Mbps ports and 4 10/100/1000Base-T ports, the WGSW-5240 can connect up to 52 workstations in your Ethernet environment. The four SFP Mini-GBIC interfaces can uplink to a department backbone which this switch provides an 17.6 Gigabit per second switch fabric and allows the WGSW-5240 to provide high bandwidth for backbone connection.

**MTU Switch**

In an MTU/MDU application, the advanced functionality of the WGSW-5240 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-5240 one of the best and most cost-effective switch solutions for Multi-tenant service providers.

**ORDERING INFORMATION**

WGSW-5240	48-Port 10/100Mbps + 4G TP/SFP Combo Ethernet Switch
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