

# Planet WGSW-24040 - Switch - L2+

Managed - 20 x 10/100/1000 + 4 x combo Gigabit SFP - rack-mountable

Group	Network Equipment
Manufacturer	Planet
Manufacturer item no.	WGSW-24040HP4
EAN/UPC	4711213689475



## Description

PLANET WGSW-24040 series is a Layer 2+ managed Gigabit Switch that features 24-port 10/100/1000BASE-T + 4-Port Shared 100/1000Base-X SFP and supports static Layer 3 routing for enterprise-level network. The abundant L2/L4 switching engine offered by the WGSW-24040 series performs effective data traffic control for enterprises and VoIP service providers, video streaming, and multicast applications. Providing user-friendly but advanced IPv6/IPv4 management interfaces, it is well suited for backbone and workgroup network applications by providing affordability, high performance, and stable transmission quality.

By supporting IPv6/IPv4 dual stack and plenty of management functions with easy and friendly management interfaces, the WGSW-24040 series is the best choice for video, voice and wireless service providers to connect with the IPv6 network. It also helps SMBs to step in the IPv6 era with the lowest investment but is not necessary to replace the network facilities while the ISP constructs the IPv6 FTTx edge network.

The WGSW-24040 series can be programmed for advanced switch management function, such as dynamic port link aggregation, Q-in-Q VLAN, Multiple Spanning Tree Protocol (MSTP), Layer 2/4 QoS, bandwidth control and IGMP/MLD snooping. Via the link aggregation of supporting ports, the WGSW-24040 series allows the operation of a high-speed trunk to combine with multiple ports. It enables a maximum of 12 trunk groups with 8 ports per group, and supports connection fail-over as well.

## Main features

Product Description	PLANET WGSW-24040 - switch - 24 ports - Managed - rack-mountable
Device Type	Switch - 24 ports - L2+ - Managed
Enclosure Type	Rack-mountable 1U
Subtype	Gigabit Ethernet
Ports	20 x 10/100/1000 + 4 x combo Gigabit SFP
Performance	Switching fabric bandwidth: 48 Gbps   Switching throughput: 35.7 Mpps
Capacity	Virtual interfaces (VLANs): 4095
MAC Address Table Size	8K entries
Jumbo Frame Support	9KB
Routing Protocol	IGMPv2, IGMP, static IP routing, IGMPv3, MLDv2, MLD
Remote Management Protocol	SNMP 1, SNMP 2, RMON 1, RMON 2, RMON 3, RMON 9, Telnet, SNMP 3, SNMP 2c, HTTP, TFTP, SSH, CLI

Features	Flow control, routing, DHCP support, auto-negotiation, BOOTP support, ARP support, VLAN support, auto-uplink (auto MDI/MDI-X), IGMP snooping, DoS attack prevention, port mirroring, Weighted Round Robin (WRR) queuing, store and forward, Broadcast Storm Control, IPv6 support, half duplex mode, full duplex mode, Multicast Storm Control, Unicast Storm Control, firmware upgradable, Spanning Tree Protocol (STP) support, Rapid Spanning Tree Protocol (RSTP) support, Multiple Spanning Tree Protocol (MSTP) support, DHCP snooping, Trivial File Transfer Protocol (TFTP) support, Access Control List (ACL) support, Quality of Service (QoS), Digital Optical Monitoring (DOM) support, MLD snooping, Dynamic ARP Inspection (DAI), reset button, Cable Diagnostics Function, IPv4 support, LLDP support, DHCP relay, Link Aggregation Control Protocol (LACP), Multicast VLAN Registration (MVR), loop prevention, Class of Service (CoS), tagged VLAN, TFTP client, 6KV ESD Protector, SNMP support, Type of Service (ToS), DiffServ Code Point (DSCP) support, IGMP filtering, Protocol-based VLANs support, IP source guard, Bridge protocol data unit (BPDU), Internet Control Message Protocol (ICMP), Network Timing Protocol (NTP), VLAN Double Tagging (Q-in-Q), MLD filtering
Compliant Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3z, IEEE 802.1D, IEEE 802.1Q, IEEE 802.3ab, IEEE 802.1p, IEEE 802.3x, IEEE 802.3ad (LACP), IEEE 802.1w, IEEE 802.1x, IEEE 802.1s, IEEE 802.1ad, IEEE 802.1ab (LLDP)
Power	AC 120/230 V (50/60 Hz)
Power Redundancy	Yes
Dimensions (WxDxH)	44 cm x 20 cm x 4.45 cm
Weight	2.74 kg

## Extended details

General	
Device Type	Switch - 24 ports - L2+ - Managed
Enclosure Type	Rack-mountable 1U
Subtype	Gigabit Ethernet
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Capacity	Virtual interfaces (VLANs): 4095
MAC Address Table Size	8K entries
Jumbo Frame Support	9KB
Routing Protocol	IGMPv2, IGMP, static IP routing, IGMPv3, MLDv2, MLD
Remote Management Protocol	SNMP 1, SNMP 2, RMON 1, RMON 2, RMON 3, RMON 9, Telnet, SNMP 3, SNMP 2c, HTTP, TFTP, SSH, CLI
Encryption Algorithm	SSL
Authentication Method	RADIUS, TACACS+

Features	Flow control, routing, DHCP support, auto-negotiation, BOOTP support, ARP support, VLAN support, auto-uplink (auto MDI/MDI-X), IGMP snooping, DoS attack prevention, port mirroring, Weighted Round Robin (WRR) queuing, store and forward, Broadcast Storm Control, IPv6 support, half duplex mode, full duplex mode, Multicast Storm Control, Unicast Storm Control, firmware upgradable, Spanning Tree Protocol (STP) support, Rapid Spanning Tree Protocol (RSTP) support, Multiple Spanning Tree Protocol (MSTP) support, DHCP snooping, Trivial File Transfer Protocol (TFTP) support, Access Control List (ACL) support, Quality of Service (QoS), Digital Optical Monitoring (DOM) support, MLD snooping, Dynamic ARP Inspection (DAI), reset button, Cable Diagnostics Function, IPv4 support, LLDP support, DHCP relay, Link Aggregation Control Protocol (LACP), Multicast VLAN Registration (MVR), loop prevention, Class of Service (CoS), tagged VLAN, TFTP client, 6KV ESD Protector, SNMP support, Type of Service (ToS), DiffServ Code Point (DSCP) support, IGMP filtering, Protocol-based VLANs support, IP source guard, Bridge protocol data unit (BPDU), Internet Control Message Protocol (ICMP), Network Timing Protocol (NTP), VLAN Double Tagging (Q-in-Q), MLD filtering
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Status Indicators	Power, alert, link/activity, fan
<b>Expansion / Connectivity</b>	
Interfaces	24 x 1000Base-T RJ-45   4 x 1000Base-X SFP   1 x management (RS-232) DB-9
<b>Power</b>	
Power Device	Internal power supply
Power Redundancy	Yes
Voltage Required	AC 120/230 V (50/60 Hz)
Power Consumption Operational	21 Watt
<b>Miscellaneous</b>	
Compliant Standards	FCC Part 15 A
<b>Dimensions &amp; Weight</b>	
Width	44 cm
Depth	20 cm
Height	4.45 cm
Weight	2.74 kg
<b>Environmental Parameters</b>	
Min Operating Temperature	0 °C
Max Operating Temperature	50 °C
Humidity Range Operating	20 - 95% (non-condensing)
Min Storage Temperature	-20 °C
Max Storage Temperature	70 °C
Humidity Range Storage	20 - 95% (non-condensing)

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