

**WGSW-20160HP Planet 16-портовый управляемый коммутатор
10/100/1000Mbps 802.3at PoE + 4-Port Gigabit TP / SFP Combo**

Модель	WGSW-20160HP
Hardware Specification	
Copper Ports	16 10/ 100/1000Base-T RJ-45 Auto-MDI/MDI-X ports
10/100/1000Mbps / SFP Combo Interfaces	4 10/100/1000Mbps TP and SFP shared combo interfaces, SFP(Mini-GBIC) supports 100/1000Mbps Dual mode, shared with Port-17 to Port-20
Console	1 x RS-232 DB9 serial port (115200, 8, N, 1)
Switch Architecture	Store-and-Forward
Switch Fabric	40Gbps / non-blocking
Throughput	29.7Mpps@64Bytes
Address Table	8K entries, automatic source address learning and ageing
Share Data Buffer	4 megabits
Flow Control	IEEE 802.3x Pause Frame for Full-Duplex Back pressure for Half-Duplex
Jumbo Frame	9Kbytes
Reset Button	< 5 sec: System reboot > 5 sec: Factory Default
Dimension (W x D x H)	440 x 300 x 44.5 mm, 1U high
Weight	4.1kg
LED	System: Power (Green), SYS (System, Green) Alert: FAN1 (Green), FAN2 (Green) PoE Ethernet Interfaces (Port 1 to Port 16): LNK/ACT (10/100/1000Mbps, Green), PoE In-Use (Orange) 10/100/1000Base-T Combo Ports (Port 17 to port 20): 1000 (LNK/ACT, Green), 10/100 (LNK/ACT, Orange) 100/1000Mbps SFP Combo Interfaces (Port 17 to Port 20): 1000 (LNK/ACT, Green), 100 (LNK/ACT, Orange)
Power Requirement	100~240V AC, 50/60Hz, 2A
Power Consumption	Max 22 Watts / 75BTU
ESD Protection	6KV DC
Power over Ethernet	
PoE Standard	IEEE 802.3af / 802.3at PoE / PSE
PoE Power Supply Type	End-Span
PoE Power Output	Per Port 56V DC Max. 30.8 Watts

Power Pin Assignment	1/2(+), 3/6(-)
PoE Power Budget	230 Watts Max.
PoE Ability	Number of PD @ 7 Watts: 16 Number of PD @ 15.4 Watts: 14 Number of PD @ 30.8 Watts: 7
Layer 2 Management Function	
Basic Management Interfaces	Console, Telnet, Web Browser, SNMP v1, v2c
Secure Management Interfaces	SSH, SSL, SNMP v3
Port Configuration	Port disable / enable Auto-Negotiation 10/100/1000Mbps full and half duplex mode selection Flow Control disable / enable
Port Status	Display each port's speed duplex mode, link status, flow control status, auto negotiation status, trunk status
Port Mirroring	TX / RX / Both Many-to-1 monitor
VLAN	802.1Q Tagged based VLAN, up to 255 VLAN groups Q-in-Q tunneling Private VLAN Edge (PVE) MAC-based VLAN Protocol-based VLAN Voice VLAN MVR (Multicast VLAN Registration) Up to 255 VLAN groups, out of 4094 VLAN IDs
Link Aggregation	IEEE 802.3ad LACP / static trunk Supports 10 groups of 16-port trunk support
QoS	Traffic classification based, strict priority and WRR 8-Level priority for switching Port Number 802.1p priority 802.1Q VLAN tag DSCP/TOS field in IP Packet
IGMP Snooping	IGMP (v1/v2/v3) Snooping, up to 255 multicast groups IGMP querier mode support
MLD Snooping	MLD (v1/v2) Snooping, up to 255 multicast groups MLD querier mode support
Access Control List	IP-based ACL / MAC-based ACL Up to 256 entries
Bandwidth Control	Per port bandwidth control Ingress: 500Kb~80Mbps Egress: 64Kb~80Mbps
SNMP MIBs	RFC-1213 MIB-II IF-MIB RFC-1493 Bridge MIB

	RFC-1643 Ethernet MIB RFC-2863 Interface MIB RFC-2665 Ether-Like MIB RFC-2819 RMON MIB (Group 1, 2, 3 and 9) RFC-2737 Entity MIB RFC-2618 RADIUS Client MIB RFC-2933 IGMP-STD-MIB RFC-3411 SNMP-Frameworks-MIB IEEE 802.1X PAE LLDP MAU-MIB
Standards Conformance	
Regulation Compliance	FCC Part 15 Class A, CE
Standards Compliance	IEEE 802.3 10Base-T IEEE 802.3u 100Base-TX/100Base-FX IEEE 802.3z 1000Base-SX/LX IEEE 802.3ab 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 protocol IEEE 802.1s Multiple spanning tree protocol IEEE 802.1p Class of service IEEE 802.1Q VLAN Tagging IEEE 802.1x Port Authentication Network Control IEEE 802.1ab LLDP IEEE 802.3af Power over Ethernet IEEE 802.3at Power over Ethernet PLUS RFC 768 UDP RFC 793 TFTP RFC 791 IP RFC 792 ICMP RFC 2068 HTTP RFC 1112 IGMP version 1 RFC 2236 IGMP version 2 RFC 3376 IGMP version 3 RFC 2710 MLD version 1 RFC 3810 MLD version 2
Environment	
Operating	Temperature: 0 ~ 50 degrees C Relative Humidity: 5 ~ 95% (non-condensing)
Storage	Temperature: -10 ~ 70 degrees C Relative Humidity: 5 ~ 95% (non-condensing)