

WATCHDOG
BY APOLLO
INFOWAYS



L2 PoE Switch Series

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Supports Maximum
24 GE PoE Ports and 4
GE SFP+ Uplink Ports



Advanced Hardware
Architecture and
Industry-leading Port
Density



Carrier-Level High
Reliability
Layer-3 Routing
Functions



Varied Service
Characteristics
Versatile IPv6 Solution
Complete Security
Mechanism

WD L2 Pro Series is a new Generation Intelligent POE access switch designed for carrier's IP man and enterprise networks. based on the new-generation High-performance hardware and BDROS Platform, IT supports functions such as ACL, QINQ and QoS. Its simple management mode and flexible installation can meet the requirement of any complicated scenarios;

WATCHDOG PoE SERIES HAS 2 MODELS; WD-GS-2210-8P2S, WD-GS-2210-24P4C



PRODUCT SPECIFICATION

ITEM	WD-GS-2210-8P2S	WD-GS-2210-16P2S	WD-GS-2210-24P4C	WD-GS-2210-48P4S
INTERFACE	8 GE POE PORTS, 2 100/1000M SFP PORTS	16 GE PoE Ports, 2GE ethernet uplink Port 2GE SFP Port/	24 GE POE ports, 4 GE TX/SFP COMBO PORTS	48 GE TX 6 10GE/GE SFP+
CONSOLE(RJ45)	1RJ45 PORT, 1 RST BUTTON	1 Console Port	1 Rj45 PORT, 1 RST BUTTON	1
BACKPLANE(GBPS)	20Gbps	40 Gbps	56 Gbps	216 Gbps
FORWARDING RATE (MPPS WITH 64 BYTES)	15Mpps	29.76 Mpps	42 Mpps	162 Mpps
CHASSIS	280x180x44	440x204x44	440x210x44	440x300x44
	1.6	2.78	3	5.2
PACKAGE	346x289x44	500X290X85	555X295X88	576x48x94
	2.4	3.44	4.1	6.1
POWER CONSUMPTION	<7W	15.4W	<17W	<25W
	142.5W	308W	393.5W	<48W without PoE
POWER SUPPLY AC: 100V-240V, 50-60HZ	150w	299.52W	400W	450W AC or 800W DC
POE POWER BUDGE	130W	540W	370W	370W AC or 740W DC
Total output BTU (1000BTU/H=293W)	511.95	1024.19	1365.19	1535.84 at AC 2730.38 at DC
Fan number	/	2	2	2
Noise@25°C(dBA)	0	0	37.5	45
MTBF(H)	<50,000	100000	<50,000	>200,000
Forwarding mode	Store-forward	Store-forward	Store-forward	Store-forward
Flash (MB)	16	16	16	128
DRAM (MB)	128	128	128	512
MAC	8K	8K	16K	16K
BUFFER SIZE (MB)	4.1	4.1	4.1	1.5
JUMBO FRAME	9K	9.6K	9K	9K
Routing table 256 for Ipv4 & 256 for Ipv6				512K
TOTAL SVI	10	10	10	4K

PRODUCT FEATURES



VLAN

- 4K active VLAN
- QinQ & Selective QinQ
- GVRP, Private VLAN,
- Voice VLAN

Spanning Tree

- 802.1D (STP)
- 802.1W (RSTP) and 802.1S (MSTP)
- BPDU guard, root guard and loopback guard

Multicast

- IGMP v1/2/3
- IGMP Snooping
- IGMP Fast Leave
- IGMP Filter
- MVR

IP

- Static route
- RIP, OSPF
- 512 routing table
- IPv4/v6 dual stack
- DHCP Server/Client/Relay

QoS

- CAR, HQoS, MAC/IP/TCP/UDP/VLAN/COS/DSCP/TOS based
- QinQ, 802.1P/DSCP priority relabeling, SP, WRR, and "SP+WRR",
- Tail-Drop, WRED, flow monitoring and traffic shaping
- Voice VLAN

Security

- Port isolation, Port security, and "IP+MAC+port" binding, MAC Sticky
- DHCP Snooping and option 82, DAI & IP Source guard PPPoE
- IEEE 802.1x radius and Tacacs+
- L2/L3/L4 ACL flow identification and filtration Anti-Attack from DDoS, TCPs SYN Flood, UDP Flood, etc.
- Broadcast/multicast/unknown unicast storm-control
- Md5, SHA-256, RSA-1024, AES256, etc.

Reliability

- Static/LACP link aggregation, in interface backup
- EAPS and ERPS
- ISSUWD

Management

- Console, Telnet, SSH v1/2, HTTP, HTTP, SNMP v1/v2/v3, RMON
- TFTP, FTP, SFTP
- NTP
- ZTP (Zero Touch Provisioning)
- SPAN, RSPAN

Accessories

- Power cord, rackmount kits, console cable, anti-slipping pad

Environment

- Operating Temperature/humidity: -10°C-50°C, 10%-90%
- Storage temperature/humidity: -40°C-70°C, -20°C-70°C, 5%-90% non-condensing

Certification

- CE, FCC, ROHS

ORDERING INFORMATION

Item

Description

L3-lite series switch

WD-GS-2210-8P2S

Ethernet PoE Switch with 10 GE PORTS (1 Console port, 8 GE PoE ports, 2100/1000M SFP Ports, 1 standard AC220V power supply, 150W, fanless, 1U, Rack-mounted installation)

WD-GS-2210-16P2S

Ethernet PoE Switch with 16 GE Port (1 console port, 16 GE PoE ports, 2 GE TX/SFP COMBO Ports, 1 Standard AC240V power supply, 540W AC, The Cooling Fan, 1U, Standard 19-inch Rack-Mounted Installation)

WD-GS-2210-48P4S

Ethernet PoE Switch with 48 GE Port (1 console port, 48 GE PoE ports, 6 GE TX/SFP COMBO Ports, 1 Standard AC220V power supply, 370W AC, The Cooling Fan, 1U, Standard 19-inch Rack-Mounted Installation)

WD-GS-2210-24P4C

Ethernet PoE Switch with 28 GE Port (1 console port, 24 GE PoE ports, 4 GE TX/SFP COMBO Ports, 1 Standard AC220V power supply, 400W, The Cooling Fan, 1U, Standard 19-inch Rack-Mounted Installation)

OPTICAL MODULES



100M Optical Modules

WDSFP+SX-1310	100M SFP multi-mode (2km, 1310nm, LC, COM)
WDSFP+LX-15	100M SFP single-mode (15km, 1310nm, LC, COM)
WDSFP+LX-40	100M SFP single-mode (40km, 1310nm, LC, COM)
WDSFP+LX-80	100M SFP single-mode (80km, 1310nm, LC, COM)
WDSFP+LX-SM1310-20-BIDI	100M SFP single-mode, single fiber (20km, TX1310/RX1550, LC, COM)
WDSFP+LX-SM1550-20-BIDI	100M SFP single-mode, single fiber (20km, TX1310/RX1550, LC, COM)
WDSFP+LX-SM1310-40-BIDI	100M SFP single-mode, single fiber (40km, TX1310/RX1550, LC, COM)
WDSFP+LX-SM1550-40-BIDI	100M SFP single-mode, single fiber (40km, TX1310/RX1550, LC, COM)
WDSFP+LX-SM1310-80-BIDI	100M SFP single-mode, single fiber (80km, TX1310/RX1550, LC, COM)
WDSFP+LX-SM1550-80-BIDI	100M SFP single-mode, single fiber (80km, TX1310/RX1550, LC, COM)

GE Optical Modules

WDSFP-TX-B	GE SFP-to-RJ45 module
WDSFP-SX-D	GE SFP multi-mode (500m, 850nm, LC, DDM)
WDSFP-LX-10-D	GE SFP single-mode (10Km, 1310nm, LC, DDM)
WDSFP-LX-20-D	GE SFP single-mode (40Km, 1310nm, LC, DDM)
WDSFP-LX-40-D	GE SFP single-mode (40Km, 1310nm, LC, DDM)
WDSFP-ZX-80-D	GE SFP single-mode (80Km, 1550nm, LC, DDM)
WDSFP-ZX-120-D	GE SFP single-mode (120Km, 1550nm, LC, DDM)
WDSFP-LX-SM1310-10-BIDI	GE SFP single-mode, single fiber (10Km, TX1310/RX1550, LC, DDM)
WDSFP-LX-SM1550-10-BIDI	GE SFP single-mode, single fiber (10Km, TX1550/RX1310, LC, DDM)
WDSFP-LX-SM1310-20-BIDI	GE SFP single-mode, single fiber (20Km, TX1310/RX1550, LC, DDM)
WDSFP-LX-SM1550-20-BIDI	GE SFP single-mode, single fiber (20Km, TX1550/RX1310, LC, DDM)
WDSFP-LX-SM1310-40-BIDI	GE SFP single-mode, single fiber (40Km, TX1310/RX1550, LC, DDM)
WDSFP-LX-SM1550-40-BIDI	GE SFP single-mode, single fiber (40Km, TX1550/RX1310, LC, DDM)
WDSFP-LX-SM1490-80-BIDI	GE SFP single-mode, single fiber (80Km, TX1490/RX1550, LC, DDM)
WDSFP-LX-SM1550-80-BIDI	GE SFP single-mode, single fiber (80Km, TX1550/RX1490, LC, DDM)
WDSFP-LX-SM1490-120	GE SFP single-mode, single fiber (120Km, TX1490/RX1550, LC, DDM)
WDSFP-LX-SM1550-120	GE SFP single-mode, single fiber (120Km, TX1550/RX1490, LC, DDM)