

Product Datasheet

18-port Gigabit Ethernet Fiber Switch

(GWS-H3218F)



OVERVIEW

The GWS-H3218F is an unmanaged gigabit Ethernet fiber switch. It has 16*10/100/1000M adaptive RJ45 ports and 2*1000M SFP ports. The RJ45 and SFP combined interface can be unaffected by the transmission medium, realizing convenient connection and expansion of the network. The scheme of the large backplane and large cache switching chip is preferred to improve the forwarding rate of large files and effectively solve the problems of video freeze and picture loss in the high-definition surveillance environment. It is suitable for hotels, banks, campuses, factory quarters, and small and medium-sized enterprises to establish a cost-effective network. Unmanaged mode, plug and play, no configuration, simple and convenient to use.

FEATURE

■ Full gigabit rate, high-speed transmission

- ◇ Support non-blocking wire-speed forwarding.
- ◇ Support full-duplex based on IEEE802.3x and half-duplex based on Backpressure.
- ◇ A combination of Gigabit Ethernet port and Gigabit SFP port to meet the networking requirements of various scenarios.

■ Stable and reliable, easy to operate

- ◇ CE, FCC, RoHS.
- ◇ Low power consumption, metal casing, with fan.
- ◇ Plug and play, no configuration, simple and convenient.
- ◇ The user-friendly panel, it can show the device status through the LED indicator of Link/Act, PWR.
- ◇ Self-developed power supply, high redundancy design, providing a long term and stable power output.

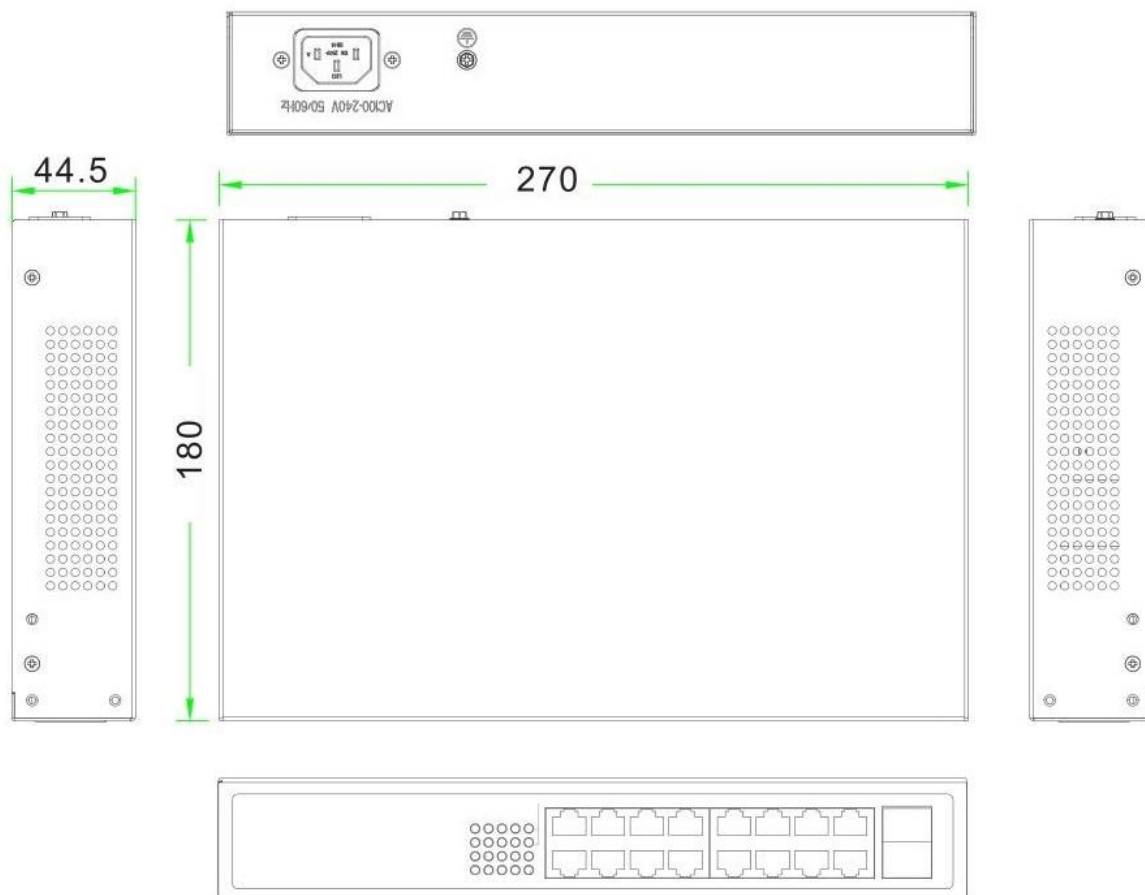
TECHNICAL SPECIFICATION

Model	GWS-H3218F	GWS-H3226F
Interface Characteristics		
Fixed Port	16*10/100/1000Base-T RJ45 ports (Data) 2*1000Base-X uplink SFP ports (Data)	24*10/100/1000Base-T RJ45 ports (Data) 2*1000Base-X uplink SFP ports (Data)
Ethernet Port	Port 1-16/ 1-24 support 10/100/1000Base-T auto-sensing, full/ half duplex MDI/ MDI-X self-adaption.	
Fiber Port	Gigabit SFP optical interface, default no include optical modules (optional)	

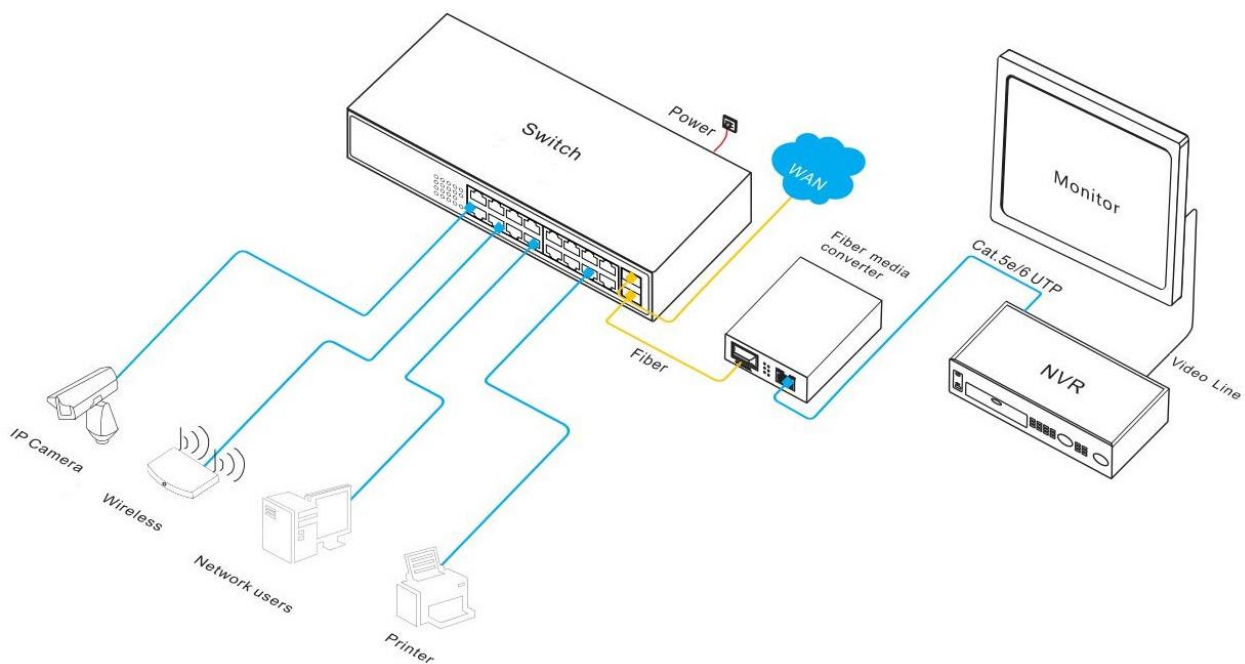
	single-mode/ multi-mode, single fiber / dual fiber optical module. LC)	
Optical Cable/ Distance	Multi-mode: 850nm /0-550m Single-mode: 1310nm/ 0-40km, 1550nm /0-120km.	
Twisted Pair Transmission	10BASE-T: Cat3,4,5 UTP(≤100 meters) 100BASE-TX: Cat5 or later UTP(≤100 meters) 1000BASE-T: Cat5e or later UTP(≤100 meters)	
Chip Parameter		
Network Protocol	IEEE802.3 10BASE-T, IEEE802.3i 10Base-T, IEEE802.3u 100Base-TX IEEE802.3ab 1000Base-TX, IEEE802.3z 1000Base-X, IEEE802.3x	
Forwarding Mode	Store and Forward (Full Wire Speed)	
Switching Capacity	48Gbps (Non-blocking)	52Gbps (Non-blocking)
Forwarding Rate@64byte	26.78Mpps	38.69Mpps
MAC	8K	
Buffer Memory	4M	
LED Indicator	Power: PWR (Green), Network: Link/Act (Green)	
Power Supply		
Total PWR / Input Voltage	30W (100-240V)	
Power Consumption	Standby<7W, Full Load<16W	Standby<8W, Full Load<20W
Power Supply	Built-in power supply, AC100~240V 50-60Hz 0.56A	
Physical Parameter		
Operation TEMP / Humidity	-20°C~+55°C, 5%~90% RH Non condensing	
Storage TEMP / Humidity	-40°C~+75°C, 5%~95% RH Non condensing	
Dimension (L*W*H)	270*180*44.5mm	330*204*44mm
Net /Gross Weight	<1.2kg /<1.8kg	<2.1kg /<2.8kg

Installation	Desktop, wall mount
Certification & Warranty	
Lightning Protection	Lightning protection: 4KV 8/20us, Protection level: IP30
Certification	CCC, CE mark, commercial, CE/LVD EN62368-1, FCC Part 15 Class B, RoHS
Warranty	1 year, lifelong maintenance.

DIMENSION



APPLICATION



ORDERING INFORMATION

Model	Description
GWS-H3218F	Unmanaged Ethernet switch with 16*10/100/1000M RJ45 ports and 2*1000M SFP fiber ports. Built-in 30W power adapter. compatible with 1U 19 inch cabinet installation.
GWS-H3226F	Unmanaged Ethernet switch with 24*10/100/1000M RJ45 ports and 2*1000M SFP fiber ports. Built-in 30W power adapter. compatible with 1U 19 inch cabinet installation.
GWS-H3226FU	Unmanaged Ethernet switch with 24*10/100/1000M RJ45 ports and 2*1000M SFP fiber ports. Built-in 30W power adapter. standard 1U 19 inch cabinet installation.

PACKING LIST

	Content	Qty	Unit
Packing List	18-port gigabit Ethernet fiber switch	1	SET
	AC Power Cable	1	PC
	Mounting Kits	1	SET
	User Guide	1	PC
	Warranty Card	1	PC

OPTICAL MODULE

Product	Model	Description	Unit
1.25G Optical Module	2630	SFP optical module, 1.25G, multi-mode dual fiber 850nm, transmission distance: 550m, LC interface, support DDM, hot plug and pull.	PC
	2632	SFP optical module, 1.25G, single-mode dual fiber 1310nm, transmission distance: 20km, LC interface, support DDM, hot plug and pull.	PC
	2612-T	SFP optical module, 1.25G, single-mode single fiber TX1310nm/RX1550nm, transmission distance: 20km, LC interface, support DDM, hot plug and pull.	PC
	2613-R	SFP optical module, 1.25G, single-mode single fiber TX1550nm/RX1310nm, transmission distance: 20km, LC interface, support DDM, hot plug and pull.	PC
	2612-T-SC	SFP optical module, 1.25G, single-mode single fiber TX1310nm/RX1550nm, transmission distance: 20km, SC interface, support DDM, hot plug and pull.	PC

	2613-R-SC	SFP optical module, 1.25G, single-mode single fiber TX1550nm/ RX1310nm, transmission distance: 20km, SC interface, support DDM, hot plug and pull.	PC
Power Module	2633	1.25G SFP optical module transfers to 10/100/1000M RJ45 port.	PC

CONTACT US



Tel: 0086-752-3397806

WeChat: HZGWS--PoE

Email: h zgws@h zgws.com

Skype: [h zgws@h zgws.com](https://www.skype.com/people/hzgws@h zgws.com)

Website: www.hzgws.com



Address: Building 3, Phase II, Xinghe Artificial Intelligence Industrial Park, No.333 Zhongkai 6th Road,
Chenjiang Street, Zhongkai High-tech Zone, Huizhou