

**Managed Industrial Switch with 16 x Gigabit RJ45 and 2 x 1Ge SFP Uplinks
FW8600WI-G**

Managed industrial switch is produced by Fiberwdm, It supports 2 x 1.25GE SFP ports , 16 x 10/100/1000M RJ45 ports. It's wide used in rail ways , urban transportation, electric power, oil fields,coal mines and other industries.

Features

- ◆ Support 2*1000Base SFP ports, 16*10/100/1000M Rj45 ports
- ◆ Support ERPS (self-healing<30ms) and RSTP/STP/MSTP (IEEE802.1w/D/S) Ethernet redundancy protocol
- ◆ Support QoS (COS(802.1p), DSCP(DiffServ), MAC), IGMP snooping, LACP, RMON protocol
- ◆ Support web、telnet.console,SNMP v1/v2c/v3 configuration management ,remote online upgrade.
- ◆ Support LLDP link protocol, automatic discovery of network topology, intelligent detection of loops, network diagnosis, suppression of broadcast storms
- ◆ Support SP、RR、WRR、WDRR scheduling method
- ◆ Support bandwidth management,aggregation, mirroring,speed limit.
- ◆ Support static routing
- ◆ Strong anti-electromagnetic interference ability, isolated dual power supply redundant input, power failure alarm, log information, unified management of network management software



Specification

IEEE Technical Standard	<ul style="list-style-type: none"> ◆ IEEE 802.3 for 10BaseT ◆ IEEE 802.3u 100BaseT(X) and 100BaseFX ◆ IEEE 802.3z for 1000BaseX ◆ IEEE 802.3ab for 1000BaseT(X) ◆ IEEE 802.3x flow control ◆ IEEE 802.1D spanning tree protocol ◆ IEEE 802.1W rapid Spanning Tree Protocol ◆ IEEE 802.1Q VLAN mark ◆ IEEE 802.1P service quality ◆ IEEE 802.1W RSTP(ring) ◆ IEEE 802.1S MSTP ◆ IEEE 802.3ad Static load balancing configuration and LACP dynamic configuration
Protocol	IGMP Snooping v1, v2, v3, GMRP, GVRP, SNMPv1, v2c, v3, DHCP Snooping, BootP, TFTP/Xmodem, SNTP, RMON, HTTP, Telnet, SSH, Syslog,Option 81/82, LLDP
Flow Control	IEEE 802.3x flow control,back pressure flow control
Cyber Security	<ul style="list-style-type: none"> ◆ Support user hierarchical management and password protection ◆ Support IEEE 802.1x certified/centralized, MAC address certified, AAA certified,

	RADIUS certified ♦ Support HTTPS,SSH,ACL,port VLAN,PVLAN,TRUNK ♦ Support Anti-gateway ARP spoofing, anti-ARP spoofing, port protection ♦ Support MAC restriction, filtering, IP+MAC+port binding	
Switch Properties	Priority queue: 4 VLAN maximum available quantity: 4K VLAN ID range: 1 ~ 4094 IGMP group: 256 MAC address quantity: 8 K delay: <5μs Packet buffer size: 4.1Mbits Backplane bandwidth: 56G Forwarding rate: 34.44Mpps	
Interface	Electrical interface: 16 10/100/1000 BaseTX,support POE SFP interface: 2 ports for 1000Base-X SFP Console port: RS-232 LED light indicator: PWR/SYS/ Link/ACT	
Power	Input voltage: DC12V-48V Power consumption: <15W Over current protection Reverse connection protection Isolated dual power supply	
Mechanical Properties	Shell: IP40 protection grade,aluminum alloy shell,fan less Size: 185*145*48mm Weight: 2000 g Installation method: DIN-RAIL installation, wall-mounted installation MBTF:400000 hours	
working Environment	Operating temperature: -40 ~ 85 °C Storage temperature: -40 ~ 85°C Relative humidity: 5~95%	
Standard	EMI	FCC Part 15. CISPR(EN55022) class A
	EMS	♦ EN61000-4-2(ESD): ±8kV contact discharge, ±15kV air discharge ♦ EN61000-4-3(RS): 10V/m (80~1000MHz) ♦ EN61000-4-4(EFT): power cable: ±4kV; data cable: ±2kV ♦ EN61000-4-5(Surge): power cable: CM±4kV/DM±2kV; data cable: ±4kV ♦ EN61000-4-6(Radio frequency conduction): 10V (150kHz~80MHz) ♦ EN61000-4-8(Power frequency magnetic field): 100A/m; 1000A/m ,1s to 3s ♦ EN61000-4-9(Pulsed magnetic field): 1000A/m ♦ EN61000-4-10(Damped oscillation): CM 2.5kV, DM 1kV ♦ EN61000-4-12/18(Shock wave): CM 2.5kV, DM 1kV ♦ EN61000-4-16(Common mode conduction): 30V continued; 300V,1s
Standard	♦ IEC6100-6-2IEC60068-2-6 (Anti-vibration)	

	<ul style="list-style-type: none"> ◆ IEC60068-2-27 (Impact resistance) ◆ IEC60068-2-32 (Free fall)
Standard	railway: EN50155.EN50121-4 electricity: IEC61850-3 (Substation) IEEE1613 (Power substation) traffic: NEMA TS-2 coal: GB/T3836.1/2/3/4 mechanical: IEC68-2-6/27/32
Warranty	5 years