

16/24-Port 10/100Mbps + 2 Gigabit TP / SFP Combo Web Smart Switch



QoS Enhanced Web Smart Edge Switch

The FGSW-1820CS / FGSW-2620CS provide 16/24 10/100Mbps Fast Ethernet ports and two Gigabit Ethernet ports, either TP or SFP per port. The two Gigabit ports can be either 1000Base-T for 10/100/1000Mbps or 1000Base-SX/LX through SFP (Small Factor Pluggable) interfaces. The distance can be extended from 100 meters (TP), 550 meters (Multi-mode fiber), up to above 10/20/30/40/50/70/120 kilometers (Single-mode fiber).

The FGSW-1820CS / FGSW-2620CS, equipped with non-blocking 7.2 / 8.8Gbps backplane, greatly simplifies the tasks of upgrading users' LAN for catering to increase bandwidth demands.

For efficient management, the FGSW-1820CS / FGSW-2620CS, 16/24-Port 10/100Mbps + 2 Gigabit TP / SFP Combo Web Smart Switch are equipped with remote Web interface. The FGSW-1820CS / FGSW-2620CS can be programmed for advanced switch management functions such as port configuration, port-based / IEEE 802.1Q / MTU VLAN, port mirroring, port trunk, QoS, bandwidth control, broadcast storm control, MAC address / TCP & UDP filter and IGMP Snooping v1 / v2.

The FGSW-1820CS / FGSW-2620CS provide port-based / IEEE 802.1Q / MTU VLAN (port-based / IEEE 802.1Q VLAN including overlapping). The VLAN groups allowed on the FGSW-1820CS / FGSW-2620CS can be maximally up to 18/26 for port-based / 32 for IEEE 802.1Q VLAN groups. The MTU VLAN also divides port 1 to port 16/24 as separated LAN group and it only can access the public port 17, 18 or port 18 / port 25, 26 or port 26. Via supporting port trunking, the FGSW-1820CS / FGSW-2620CS allow the operation of a high-speed trunk combining multiple ports. The FGSW-1820CS / FGSW-2620CS also provide two groups of up to 4-ports for trunking, and it supports fail-over as well.

With its Auto-Negotiation capability, all the RJ-45/STP ports of Web Smart Switch can be configured to speeds of 10/20Mbps / 100/200Mbps (Fast Ethernet) and 2000Mbps (Gigabit Ethernet) automatically. In addition, the products are equipped with the MDI/MDI-X auto-detection for easily plug and play connection, regardless of cabling types-straight through or crossover.

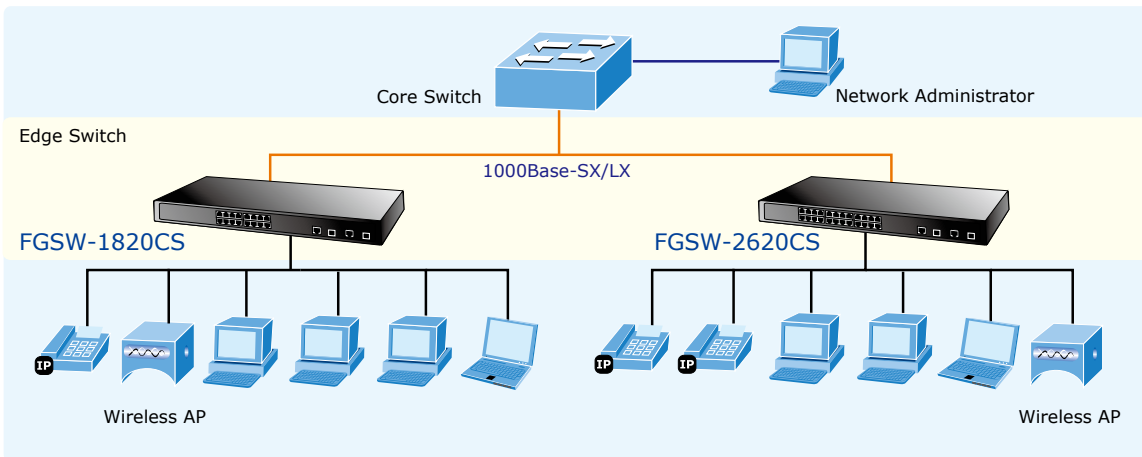
KEY FEATURES

- Complies with the IEEE 802.3, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z Gigabit Ethernet standard
- 16/24-Port 10/100Mbps Fast Ethernet Switch
- 2 10/100/1000Mbps ports share with 2 SFP interfaces
- Each Switching port supports auto-negotiation-10/20, 100/200Mbps (Fast Ethernet), 2000Mbps (Gigabit Ethernet)
- Auto-MDI / MDI-X detection on each RJ-45 port
- Prevents packet loss with back pressure (half-duplex) and IEEE 802.3x PAUSE frame flow control (full-duplex)
- High performance of Store and Forward architecture, broadcast storm control and runt/CRC filtering eliminate erroneous packets to optimize the network bandwidth
- 4K MAC address table, automatic source address learning and ageing
- 2.75Mb embedded memory for packet buffers
- Web operation interface for remote Switch management and setup
- Supports Broadcast Storm Control
- Supports up to 18/26 port-based VLAN groups / 32 IEEE 802.1Q VLAN groups / MTU VLAN
- Supports up to 2 Trunk groups, and each trunk can be up to maximum 4 port with 800Mbps bandwidth
- Supports QoS , bandwidth control and MAC address filter / TCP and UDP filter on each port
- Supports port mirroring function and IGMP Snooping v1 / v2
- Firmware upgrade through Web interface
- Password setting, IP setting and devices description setting through Planet Smart discovery utility
- 19-inch rack mount size
- Suitable Internal full-range power supply for worldwide use
- EMI standards complies with FCC, CE class A

APPLICATIONS

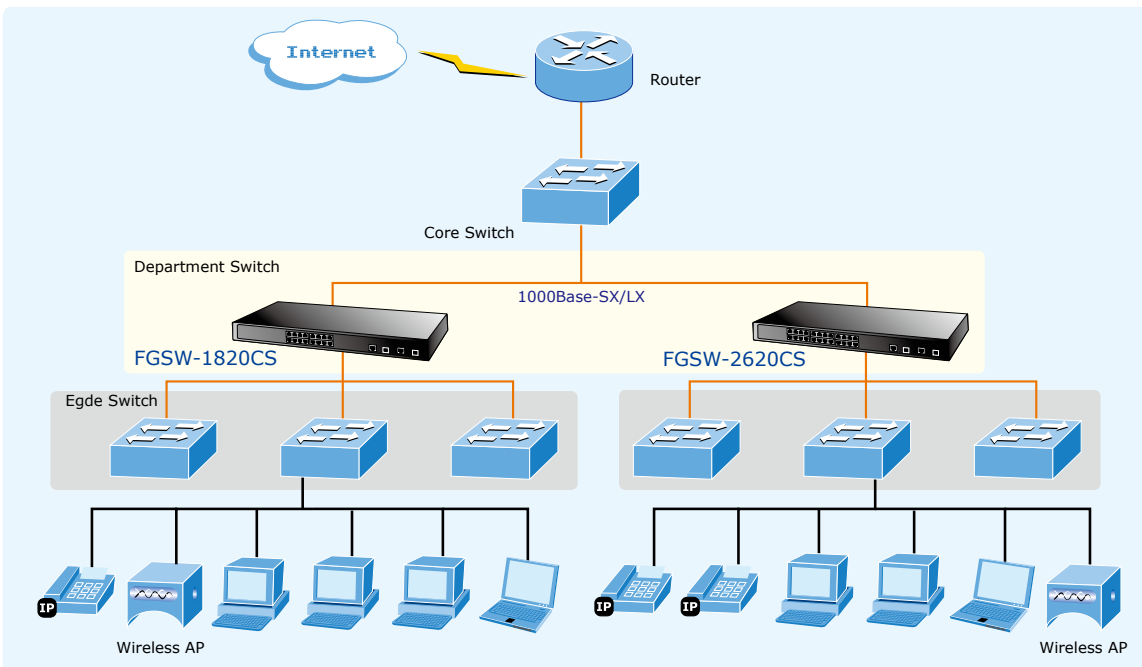
Workgroup Switch

With 16/24 10/100Mbps ports and up to two Gigabit copper or Gigabit-Ethernet fiber ports, the FGSW-1820CS / FGSW-2620CS provide a cost-effective and high-performance solution for power users.



Department Switch

With its 7.2 / 8.8 Gigabits per second, non-blocking switch fabric, the FGSW-1820CS / FGSW-2620CS can easily provide a local, high bandwidth, Fast Ethernet network for backbone of users' departments. With two SFP ports, the FGSW-1820CS / FGSW-2620CS provide the uplink to the backbone network through Gigabit Ethernet LX / SX SFP modules.



ORDERING INFORMATION

FGSW-1820CS	16-Port 10/100Mbps + 2 Gigabit TP / SFP Combo Web Smart Switch
FGSW-2620CS	24-Port 10/100Mbps + 2 Gigabit TP / SFP Combo Web Smart Switch

SPECIFICATION

Model	FGSW-1820CS	FGSW-2620CS
Hardware Specification		
Ports	16 10/100Base-TX RJ-45 Auto-MDI / MDI-X ports	24 10/100Base-TX RJ-45 Auto-MDI / MDI-X ports
Gigabit Ports	2 10/100/1000Mbps ports share with 2 SFP interfaces	
Switch Processing Scheme	Store-and-Forward	
Throughput (packet per second)	5.35Mpps	6.54Mpps
Switch Fabric	7.2Gbps	8.8Gbps
Address Table	4K entries	
Share Data Buffer	2.75Mb embedded memory for packet buffers	
Flow Control	Back pressure for half duplex, IEEE 802.3x Pause Frame for full duplex	
Dimensions	440 x 120 x 44 mm (1U height)	
Weight	1.56 kg	1.64 kg
Power Requirement	100~240V AC, 50-60 Hz, 0.5A	
Power Consumption / Dissipation	16 watts / 54BTU	19 watts / 64BTU
Temperature	Operating: 0~50 degree C Storage: -40~70 degree	
Humidity	Operating: 5% to 90% Storage: 5% to 90% (Non-condensing)	
Smart Function		
System Configuration	Web interface	
Port Configuration	Port speed duplex mode selection Flow Control disable / enable Port disable / enable. Port description on each port	
Bandwidth Control	Yes, 1 / 2 / 4 / 8 / 16 / 32 / 64Mbps	
Broadcast Storm Control	Yes, 5% / 10% / 25% / 50% / Disable	
Port Statistics	Display each port's detail Ethernet traffic counter information	
VLAN	18/26 port-based VLAN groups / 32 IEEE 802.1Q VLAN groups / MTU VLAN	
Port Trunking	Support 2 groups of 4-Port trunk support, up to 800Mbps bandwidth per trunk	
Port Mirroring	Port mirroring allows monitoring of the traffic across any port in real time Allows to assign low / high priority on each port	
QoS	First-In-First-Out, All-High-before-Low, Weight-Round-Robin QoS policy	
MAC Address / TCP & UDP Filter	Yes	
IGMP Snooping v1 / v2	Allows to disable or enable	
Standards Conformance		
Regulation Compliance	FCC Part 15 Class A, CE	
Standards Compliance	IEEE 802.3 (Ethernet) IEEE 802.3u (Fast Ethernet) IEEE 802.3ab (Gigabit Ethernet) IEEE 802.3z (Gigabit Ethernet) IEEE 802.3x (Full-duplex flow control) IEEE 802.1Q VLAN IEEE 802.1p QoS	

AVAILABLE MODULES

MGB-GT	SFP-Port 1000Base-T mini-GBIC module
MGB-SX	SFP-Port 1000Base-SX mini-GBIC module
MGB-LX	SFP-Port 1000Base-LX mini-GBIC module
MGB-L30	SFP-Port 1000Base-LX mini-GBIC module -30KM
MGB-L50	SFP-Port 1000Base-LX mini-GBIC module -50KM
MGB-L70	SFP-Port 1000Base-LX mini-GBIC module -70KM
MGB-L120	SFP-Port 1000Base-LX mini-GBIC module -120KM
MGB-LA10	SFP-Port 1000Base-LX mini-GBIC module- LC WDM (TX:1310nm), SM, 10km
MGB-LB10	SFP-Port 1000Base-LX mini-GBIC module- LC WDM (TX:1550nm), SM, 10km
MGB-LA20	SFP-Port 1000Base-LX mini-GBIC module- LC WDM (TX:1310nm), SM, 20km
MGB-LB20	SFP-Port 1000Base-LX mini-GBIC module- LC WDM (TX:1550nm), SM, 20km
MGB-LA40	SFP-Port 1000Base-LX mini-GBIC module- LC WDM (TX:1310nm), SM, 40km
MGB-LB40	SFP-Port 1000Base-LX mini-GBIC module- LC WDM (TX:1550nm), SM, 40km