24-Port 10/100Mbps + 2-Port Gigabit Ethernet Switch

Power-Saving, High Performance Ethernet Networking

In line with the energy-saving trend worldwide, PLANET delivers the new generation Green Networking Switch, FGSW-2620. The FGSW-2620 is a 24-Port 10/100Base-TX and 2-Port Gigabit Ethernet Switch upgraded from earlier version and brings both benefits of energy saving and high performance.

Energy Saving

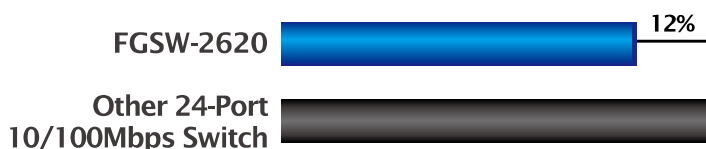The FGSW-2620 incorporates advanced Green Networking technology:
• Intelligent scales power based on cable length

The intelligent scales power is an intelligent algorithm that actively determines the appropriate power level based on cable length. The FGSW-2620 can automatically detect the Ethernet cable length and adjust power usage. The connected device can substantially reduce overall power consumption, which makes a significant contribution to energy saving. The FGSW-2620 uses new engine that provides power saving up to 12% less energy but maintains high performance efficiently.

Power Saving 12%

FGSW-2620   12%

Other 24-Port
10/100Mbps Switch

*Full Port link/Cable length < 20m

**Save
19,272 Watts
yearly**

Product Features

• Green Ethernet for energy saving

• 24-Port 10/100Base-TX and 2-Port 10/100/1000Base-T Gigabit Ethernet Switch

• Complies with IEEE 802.3, IEEE 802.3u and IEEE 802.3ab, 10/100/1000Base-T standards

• IEEE 802.3x full-duplex/half-duplex back-pressure flow control

• IEEE 802.1p Class of Service traffic control

• Auto MDI / MDI-X on each port for easy switch / hub cascading

• 8K absolute MAC addresses table

• High performance Store and Forward architecture
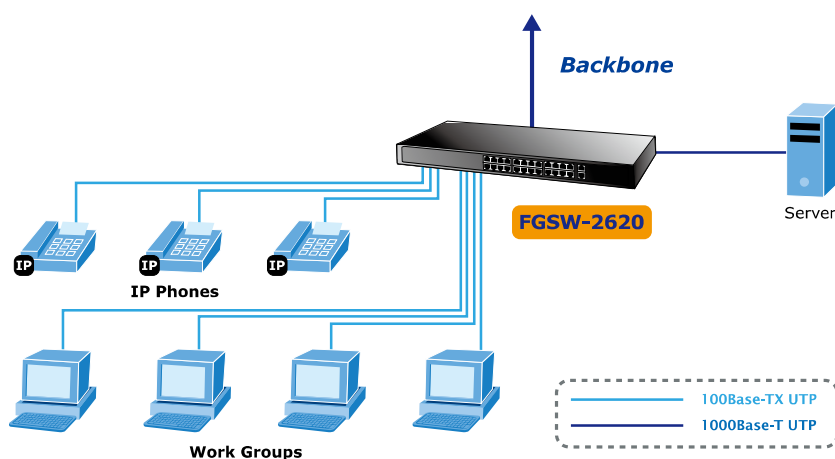
• 19-inch rack mount size

High Performance / Plug and Play

The high performance throughput (filtering / forwarding rate: 14,880 packets per second in 10Mbps, 148,800pps in 100Mbps and 1,488,000pps in 1000Mbps) and dynamic shared memory buffer help the FGSW-2620 boost bandwidth. It also supports IEEE 802.1p Class of Service (CoS) features to improve network utilization more efficiently. The FGSW-2620 provides auto-negotiation capability and MDI / MDIX auto-detection for plug and play connection regardless of the cabling type being straight-through or crossover.
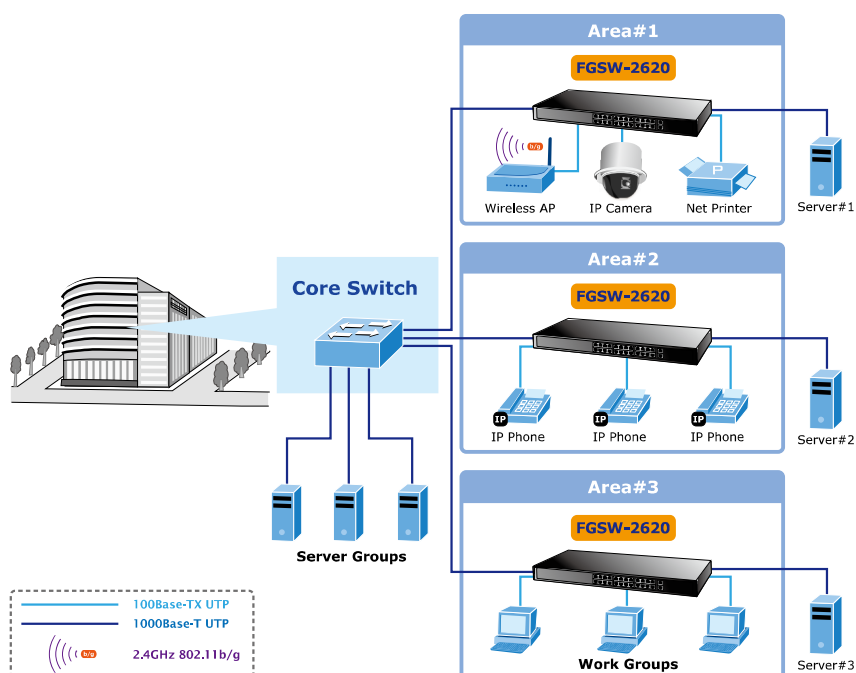
Applications

Backbone Switch

With up to 8.8Gbps switching fabric, the FGSW-2620 can provide high bandwidth connectivity to Fast Ethernet network backbone or as the backbone of your workgroup.

Department Switch

With its 8.8 Gigabits per second, non-blocking switch fabric, the FGSW-2620 can easily offer a local, high bandwidth Fast Ethernet network for your departmental backbone.

Product Specifications

Product	FGSW-2620
Hardware Specifications	
10/100Base-TX MDI/MDIX Ports	24
10/100/1000Base-T MDI/MDIX Ports	2
Throughput (packet per second)	6.54Mpps
Switch fabric	8.8Gbps
Weight	2.40 kg
Power Consumption / Dissipation	18.8 watts / 64 BTU
Power Requirements	100~240 VAC, 0.6A, 50-60 Hz
Dimensions (W x D x H)	440 x 180 x 44 mm, 1U height
Switch Processing Scheme	Store-and-Forward
Address Table	8K entries
Power Green Ethernet	From 10m to 100m Saving up to 12%
Flow Control	Back pressure for half duplex, IEEE 802.3x Pause Frame for full duplex
Temperature	Operating: 0~50 degrees C Storage: -10~70 degrees C
Humidity	Operating: 5 ~ 90% Storage: 5 ~ 90% (non-condensing)
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 802.3x (Full-duplex Flow Control) IEEE 802.1p (Quality of Service)

Ordering Information

FGSW-2620	24-Port 10/100Mbps + 2 Gigabit Ethernet Switch

C-FGSW-2620v4