24-Port 10/100BASE-TX + 2-Port Gigabit Ethernet Switch

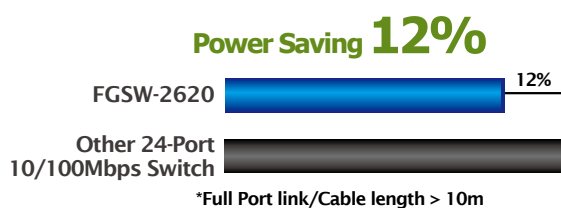## Power-saving, High-performance Ethernet Networking

PLANET **Green Networking Switch- FGSW-2620** is an ideal solution in line with the energy-saving trend worldwide. 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 accordingly. 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 > 10m

Save 19,272 Watts yearly

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 function helps the FGSW-2620 boost bandwidth. The FGSW-2620 also provides auto-negotiation capability and MDI / MDIX auto-detection for plug and play connection regardless of the cabling type being straight-through or crossover.

Physical Port

- 24 10/100BASE-TX Fast Ethernet ports
- 2 10/100/1000Mbps Gigabit Ethernet ports
- Supports Auto MDI/MDI-X function

Layer 2 Features

- Complies with IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX, and IEEE 802.3ab Gigabit Ethernet standards
- Supports powerful Green Ethernet for power saving
- Features Store-and-Forward mode with wire-speed filtering and forwarding rates
- 9K Jumbo Frame size
- Complies IEEE 802.3x flow control for full duplex operation and back pressure for half duplex operation
- Integrated address look-up engine, supporting 8K absolute MAC addresses
- Automatic address learning and address aging
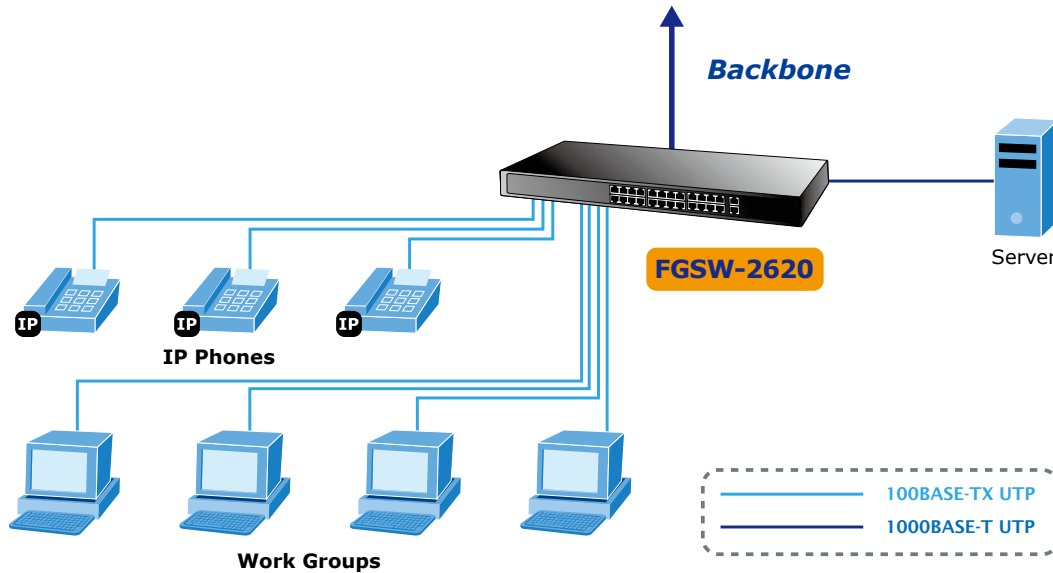- Supports CSMA/CD protocol

Hardware Features

- 100~240V AC, 50/60Hz, 0.2A Universal Power Input
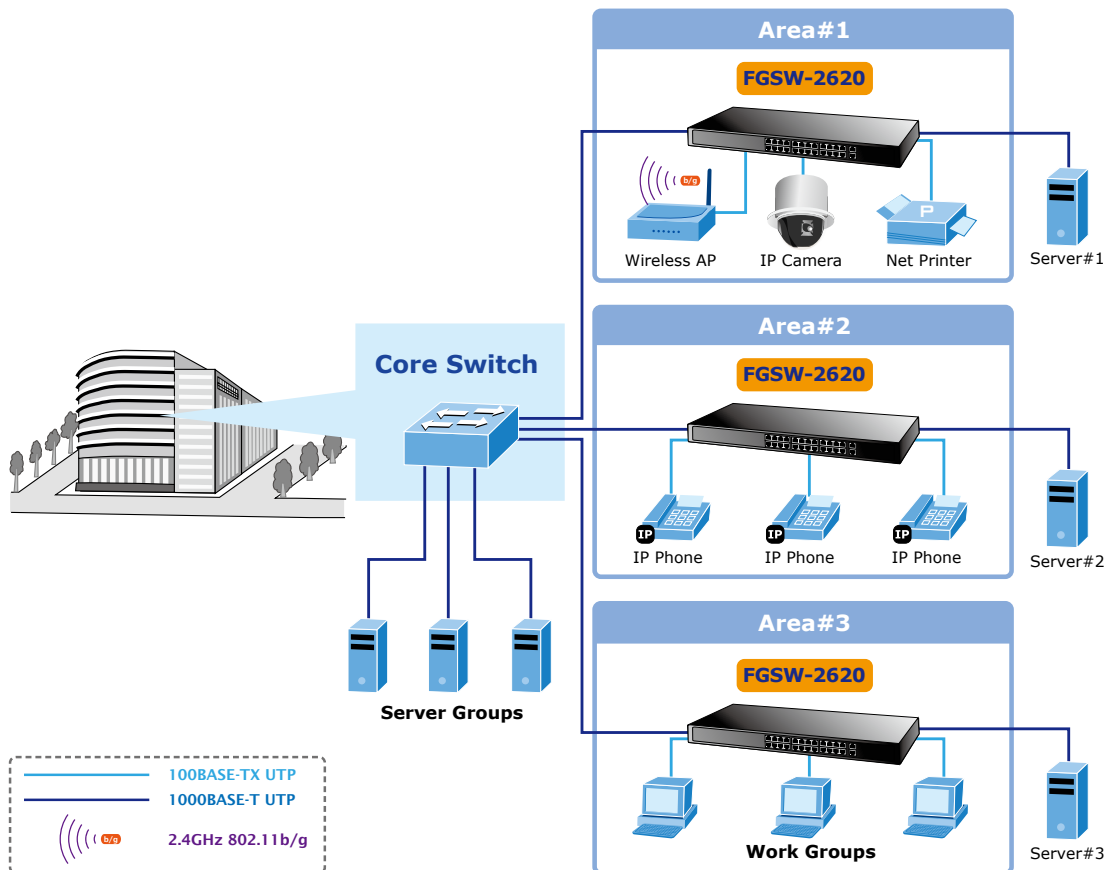- FCC, CE Class A compliant

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.

Specifications

Product	FGSW-2620
Hardware Specifications	
Hardware Version	V5
100Mbps Ports	24 x 10/100BASE-TX RJ45 ports, supporting Auto-MDI/MDIX
Gigabit Ports	2 x 10/100/1000BASE-T RJ45 ports, supporting Auto-MDI/MDIX
Throughput (packet per second)	6.54Mpps
Switch Fabric	8.8Gbps
Weight	1.7kg
Power Consumption / Dissipation	6.8 watts / 23BTU
Power Requirements	100~240V AC, 50/60Hz, 0.2A
Dimensions (W x D x H)	440 x 180 x 44 mm, 1U height
Switch Processing Scheme	Store-and-Forward
Address Table	8K entries
SRAM Packet Buffer	4.1Mbit
Jumbo Packet Size	9K
Power Green Ethernet	From 10m to 100m, saving up to 12%
Environment	
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	
Regulatory 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 (Class of Service)

Ordering Information

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

Avda. Fuente Nueva, 12. 28703 San Sebastián de los Reyes - Madrid - España
Tel.: +34 916588760. Fax: +34 916588769
E-mail: marketing@cartronic.es
www.grupocartronic.com
www.linkedin.com/company/cartronic-group

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