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Building Networks for People

Product Highlights

Power over Ethernet

Support for IEEE 802.3at/af Power over Ethernet (PoE) on ports 1 to 8 allows for powering of
PoE-powered devices up to 250mand ports 9 to 16 up to 100M

PoE Power Budget

A large 150W PoE power budget and up to 30 W per port for simultaneously powering multiple PoE-compatible devices

Plug-and-play

Plug-and-play installation means the switch can be quickly and easily installed without the need for any additional configuration

DGS-F1018P-E
250M 16 1000 Mbps PoE Switch with 2 SFP Ports

Features

High-Speed Networking
- 16 10/100/1000 Mbps Ethernet ports
- Full/half-duplex for Ethernet/Fast Ethernet/Gigabit
- 2 SFP Uplink

Functions
- VLAN
- EXTEND
- PoE
- QoS

Easy Setup
- Plug-and-play installation
- Auto MDI/MDI-X crossover on all ports

PoE Functionality
- Sixteen PoE ports
- IEEE 802.3af/at compliant
- 150W total power budget
- Up to 30 W power output per PoE port

The D-Link DGS-F1018P-E16 Port Switch with 10/100/1000Mbps and 2 SFP Ports enables you to connect Power over Ethernet (PoE) devices such as wireless access points (APs), IP cameras, and IP phones to the network. The DGS-F1018P-E can also connect other Ethernet devices like computers, printers and a Network Attached Storage (NAS) to fit into any type of network application.

Power over Ethernet

DGS-F1018P-E features sixteen10/100/1000 BASE-T ports that Support the IEEE 802.3af and IEEE 802.3at PoE protocols, supplying up to 30W on each PoE port and Port 1-8 can support up to 250m, and providing a total power budget of 150W. You can connect compatible devices to the DGS-F1018P-E without using an additional power supply. This allows you to save on cabling and to install devices in locations without immediate access to power outlets.
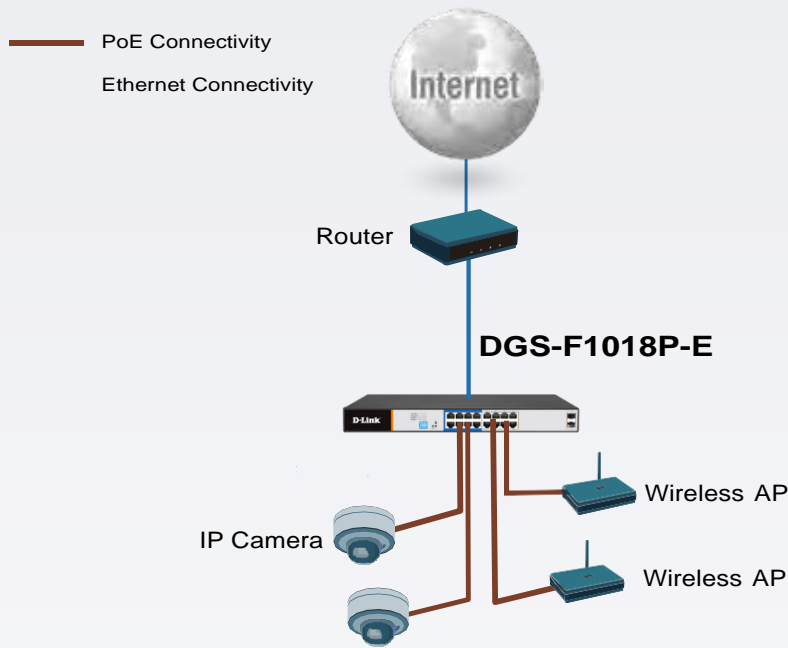
High Performance

The DGS-F1018P-E features plug-and-play installation and requires no configuration. Auto MDI/MDI-X support on all ports removes the need for crossover cables when connecting to another switch or hub, and auto-negotiation on each port intelligently adjusts the port speed for compatibility with the connected device. With wire-speed filtering and store-and-forward switching, the DGS-F1018P-E maximizes network performance while minimizing the transmission of bad network packets.

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Expand and Upgrade Your Network

The DGS-F1018P-E offers an economical way for SOHO and small to medium businesses (SMB) to benefit from high-speed PoE networking. It provides sixteen PoE ports and 2 SFP port for easy expansion of your network and supply power up to 250m* to your PoE devices. DGS-F1018P-E, Port 1 - 8 can supply power (802.3 af/at) up to 250m distance at 10Mbps, cost-effective solution for your SMB requirement. Unmanaged switch with rich function (Extend, VLAN, QoS and PoE) provides a reliable connection to your company infrastructure.

Example Configuration

Technical Specifications

General

Size	• Desktop (with Mounting Kit)
Interfaces	• 16 10/100/1000 BASE-T ports • 2 SFP
Standards	• IEEE 802.3u,Fast Ethernet standard standard • IEEE 802.3af/at ,Ethernet power supply POE • IEEE 802.3ab,Gigabit Ethernet standards standard • IEEE 802.3az ,EEE, Energy efficient Ethernet • IEEE 802.3x, Full-duplex Ethernet data link layers • IEEE 802.3z ,Gigabit Ethernet fiber-optic standard
Media Interface Exchange	• Auto MDI/MDI-X adjustment on all ports
Lighting Protection	• 6KV

Performance

Switching Fabric	• 36 Gbps
Transmission Method	• Adopt Store-and-forward

DGS-F1018P-E 16-Port PoE 1000Mbps switch with Combo Gigabit Port

Data Transfer Rates	Gigabit Ethernet 1000 Mbps	Ethernet 100 Mbps
Packet Filtering / Forwarding Rates	10M port maximum 14800pps 100M port maximum 148800pps 1000M port maximum 1488000pps	
PoE		
PoE Standards	IEEE 802.3af	IEEE 802.3at
PoE-Capable Ports	Port 1 - 16 (Port 1 - 8 PoE can support up to 250m @ 10Mbps with Extend enabled)	
Power Budget	150W (30 W max. per PoE port)	
LEDs		
Power	✓	
Link/Activity	✓	
Physical		
Weight	3kg	
Dimensions	440 x 180 x 44 mm	
Power	150W	
Temperature	Operating: 0 to 40 ˚C (32 to 104 ˚F)	
Humidity	Operating: 0% to 95% RH non-condensing	Storage: 0% to 95% RH non-condensing
Certifications		
EMI/EMC	CE	

Switch Working mode

Using DIP switch control working mode, details description as below:

Extend - support up to 250m distance power supply

VLAN-Isolating ports 1-16 from each other can effectively suppress network storms and improve network performance
QoS-Prioritize the identified video data to make video transmission smoother
PoE-Automatic detection power of port, power off and restart

Ordering Information	
Part Code	Description
DGS-F1018P-E	16x10/100/1000 Mbps PoE Ports and 2 10/100/1000 Mbps Uplink port Unmanaged Switch

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