D-Link®
Building Networks for People

Product Highlights

Smart and Flexible Management

Powerful switch management functions can be performed through the web management interface or through the client-based utility

Gigabit Ethernet Speed

High-speed ports provide the latest Ethernet technology while remaining backward compatible for connections to older computers and equipment.

IPv6 Ready

IPv6 compliance means that the switches are ready to meet future addressing standards, and are compatible with both your IPv4 and IPv6 network

DGS-F1100-10PS-E
PoE Gigabit Managed Switch

Features

Physical
• Available in multiple configurations, with or without PoE and fiber support
• Fanless design for silent operation
• 6kv Surge Protection
• 8x 10/100/100 BASE-T PoE Ports (802.3af/at complaint)
• 2 Gigabit SFP Ports

Management Features
• Client-based utility or web-based GUI
• Built-in SNMP MIB

Advanced Features
• IEEE 802.1Q and port based VLAN
• IEEE 802.1p Quality of Service (QoS)
• STP/RSTP/MSTP
• Port mirroring
• Link aggregation
• Bandwidth control
• Broadcast storm control
• IGMP/MLD Snooping
• Extend mode transmission distance up to 250m
• 96W PoE Budget

About the Switch

DGS-F1100-10PS-E is a managed switch designed to meet the requirements of small, medium, and enterprise businesses. DGS-F1100-10PS-E supports multiple PoE standards make it ideal for IP surveillance deployments. Advanced management features, a range of diagnostic and troubleshooting tools, and energy efficient technologies provide a flexible solution to meet your networking requirements.

Advanced Features

The DGS-F1100-10PS-E is equipped with advanced security features such as Static MAC, Storm Control, and IGMP Snooping. Static MAC allows users to create a MAC whitelist for specific ports, helping administrators limit network access to authorized devices only. Storm Control monitors broadcast, multicast, or unknown unicast traffic and will start blocking or discarding packets which could flood the network when the defined threshold is exceeded. IGMP Snooping can reduce the load of L3 multicast routers and save bandwidth in network throughput The IEEE 802.3x Flow Control function allows servers to directly connect to the switch for fast, reliable data transfers. The switch also supports advanced features such as static routes, which allow network administrators to divide the network into VLANs, increasing network efficiency. The DGS-F1100-10PS-E supports Voice VLAN and Port VLAN, allows voice and video traffic to be automatically identified and handled differently than regular network traffic, adding a layer of isolation and allowing Quality of Service (QoS) to be applied.

PoE Support

The DGS-F1100-10PS-E provides Power over Ethernet (PoE) support, reducing deployment time for IP cameras, VoIP phones, and access points. Dedicated power adapters are no longer required, as the DGS-F1100-10PS-E comply with IEEE 802.3af and 802.3at PoE standards and provide up to 30 watts per port.

DGS-F1100-10PS-E
PoE Gigabit Managed Switch

Technical Specifications	
General	
Model	• DGS-F1100-10PS-E
Interfaces	• 8 x 10/100/1000BASE-T
	• 2 x 100/1000 Mbps SFP ports
Port Standards	• IEEE 802.3: Ethernet Media Access Control (MAC) protocol IEEE 802.3i:10BASE-T Ethernet
	• IEEE 802.3u:100BASE-TX fast Ethernet IEEE 802.3ab:1000BASE-T gigabit Ethernet
	• IEEE 802.3z:1000BASE-X gigabit Ethernet fiber）　IEEE 802.3ad: comply link aggregation standard IEEE 802.3x: flow control
	• IEEE 802.1p: About the traffic priority of the second layer of QoS / Cos protocol (multicast filtering)
	• IEEE 802.1q: VLAN Bridge operation IEEE 802.1d:STP spanning tree IEEE 802.1s: MSTP spanning tree
	• IEEE 802.1w: RSTP spanning tree
PoE	
PoE Standards	• IEEE 802.3af/at
PoE Capable Ports	• Port 1-8 can support up to 250m @10Mbps with Extend Enable
Power Budget	• 96W (30W max. per port)
Uplink Port Settings	
From Port	• Specifies the start port in the range for Uplink Ports. These are used for connecting the surveillance VLAN with other switches.
To Port	• Specifies the end port in the range for Uplink Ports. These are used for connecting the surveillance VLAN with other switches
Network Cables	• UTP Cat. 5, Cat. 5e (100 m max.)
Duplex Mode	• Full/Half-duplex for 10/100 Mbps
	• Full duplex for 1000 Mbps
Performance	
Switching Capacity	• 20 Gbps
Transmission Method	• Store-and-forward
MAC Address Table	• 8K entries
Maximum 64 Byte Packet Forwarding Rate	• 14.88 Mpps
LED's	
Power	✓
System	✓
Physical/Environmental	
Power Input	• DC:12V 1A
Operating Temperature	• 0°C ~ 50°C
Storage Temperature	• -40°C to 70°C
Operating Humidity	• 10% to 95% relative humidity no condensation
Storage Humidity	• 5% to 90% relative humidity no condensation
Dimensions (L x W x H)	• 225 x 120 x 35 mm

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Software	
Shortcut function	• AI VLAN
	• AI Extend (port 1-8 support transmission up to 250 meters @ 10mbps)
	• AI QOS (Video priority)
L2 Features	• 802.3ad Link Aggregation
	• Port Control
	• Jumbo Frame
VLAN	• Support 4K VLAN
	• Support 802.1Q VLAN, Port VLAN, Voice VLAN
	• Support GVRP, Support MAC VLAN, IP VLAN
MAC address table	• Comply the IEEE 802.1d standard
	• Support MAC address learning and aging automatically
	• Support static, dynamic, filter address table
Safety	• Based on user rating management and password protection
	• Support based on the port number, IP address, MAC address restrictions on user access
	• ICMP-echo, DoS protection
	• Support DHCP Snooping, DHCP attack protection
	• Support port security, port isolation
Access control (ACL)	• Support L2(Layer 2) ~L4(Layer 4) packet filtering function
	• Support port mirroring, port redirection, flow rate limit, QoS re- marking
Multicast	• Support IGMP v1/v2/v3 Snooping
	• Support static multicast
	• Support MLD v1/v2 Snooping
QoS	• Support 8 port queue
	• Support port priority, 802.1p Quality of Service, DSCP priority
	• Support SP、WRR、WFQ Priority scheduling algorithm
Spanning Tree	• Support STP (IEEE 802.1d)，RSTP (IEEE 802.1w) and MSTP (IEEE 802.1s) protocol
	• Support loop protection
Web-based GUI and maintenance	• Support Web-based GUI
	• Support CLI (Telnet, SSH V1/V2)
	• Support SNMP V1/V2/V3
	• Support LLDP
	• Support IP Source protection DoS protection
	• Support CPU monitor memory monitoring
	• Support system log
	• Support cable testing

Package Content	
1pcs	Switch
1pcs	Power adaptor(12V,1A)
1pcs	Manual
1pcs	Warranty Card
2pcs	Wall Bracket