Managed 8-Port 10/100Mbps, 1 x 100Base-FX & 1 x1000 Base-T

High-Performance Switching:

+ 3.8Gbps Switching capacity
+ 802.1s (Multiple Spanning Tree)
+ 802.1w (Rapid Spanning Tree)
+ Bandwidth Control down to 64k
+ 1 x 1000Base-T Port
+ 1 x 100Base-FX Port MMF
+ Small Footprint 9" Chassis

Network Management:

+ SSH/SSL
+ SNMP v1/2/3
+ RMON (4 Groups)
+ Web GUI
+ Console
+ TACACS+ Authentication
+ RADIUS client

Advanced Standards Based Enterprise Features:

+ 802.1p Priority/QoS (4Queues)
+ Priority based on DSCP
+ 802.1x (Port & MAC Based Authentication)
+ VLANs (Up to 256)
+ Guest VLAN
+ Private VLANs
+ IGMP Snooping
+ Syslog
+ SNTP

Overview

D-Link's DES-3010FA is a high-performance managed Layer 2 switch that provides an ideal solution for workgroups and departments. The DES-3010FA is a great entry level managed switch for the SMB just starting out or the already established business looking to bring a managed solution to the desktop. The fiber uplink can provide connectivity for a small group of users over a larger distance such as on a campus or between indoor classrooms. The DES-3010FA has eight 10/100Mbps Fast Ethernet ports and a 100BASE-FX port for fiber uplinks to servers and/or backbone switches up to 2km away. In addition the DES-3010FA is also equipped with a copper 1000Base-T port for easy uplinks to standard Gigabit copper switches. With a total of 10 ports, The DES-3010FA is truly unique in its class.

Advanced Layer 2 Switching

With a 3.8Gbps switching fabric, the DES-3010FA is a wire-speed, high performance switch. It includes support for Private VLANs (for isolating ports to protect privacy), and Guest VLANs (for temporary and limited access). Guest VLANs are useful when migrating end users to an 802.1x environment when existing workstations do not yet support the 802.1x protocol, and for delivering limited services such as Internet access to unauthenticated and short-term users. When deployed in a school campus, bookstore, coffee house, or other retail establishment, the DES-3010FA can be used in conjunction with wireless Access Points to create a secure Internet Hot Spot, allowing visitors to access special services or surf the Internet, completely isolated from sensitive internal network data.

Investment Protection

By widely supporting IEEE approved specifications, the DES-3010FA leverages your existing investment in a multi-vendor environment, while maximizing compatibility of business critical features like Spanning Tree (802.1D/w/s), QoS (802.1p), Port mirroring, and network management.

D-Link's DES-3010FA has robust support for standards based network management protocols (SNMP/RMON/BOOTP/Telnet/Web and port mirroring) enabling the DES-3010FA to be easily integrated into many third-party network management packages.

Advanced Enterprise Features

The DES-3010FA brings advanced enterprise functions to a more affordable level while supporting advanced features: QoS/CoS based on 802.1p, port, DSCP and ToS, rich security and management features such as 802.1x (Port & MAC Based Authentication), bandwidth control, and Guest VLANs. The DES-3010FA also supports many of the features you would expect to see on a larger managed solution such as: IGMP snooping, 802.3ad (Link Aggregation), 256 VLANs, Private VLANs, support for GVRP, traffic monitoring, SSH, SSL, SYSLOG, and more.

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Technical Specifications

Product Specifications

DES-3010FA	Managed Layer 2 Switch with 8 x 10/100Mbps Ports and 1 x 100BASE-FX and 1 x 1000BASE-T copper port
MAC Address Table	8k
Switch Fabric	3.8Gbps
Transmission Method	Store-and-forward
Forwarding Rate	14,880pps (10M), 148,800pps (100M), 1,488,000pps (1000M)
VLANs	Support up to 256 VLAN Groups
Priority Queues	4 Queues
Packet Buffer	128KB
Multicast Support	IGMP Snooping

Interface Options

RJ-45	10BASE-T, 100BASE-TX & 1000BASE-T
SC Type connector	100BASE-FX MMF

Network Management

In & Out of Band	Telnet, CLI/Console, RMON, Web-based HTTP, SNMPv1/2/3, Port Mirroring, SSH, SSL

Network Protocol and Standards

IEEE	802.3 Ethernet, 802.3u Fast Ethernet, 802.1D Spanning Tree, 802.1w Rapid Spanning Tree, 802.1s Multiple Spanning Tree, 802.1p Priority Tags (4 queues), 802.3ad Link Aggregation Control (8 ports per group/ 6 groups per device), 802.3x Flow Control, 802.1x (Port & MAC Based Network Access Control), 802.1Q VLANs (up to 256), Private VLANs, Guest VLANs
IETF	RFC1757 RMON (4 Groups), RFC1493 Bridge, RFC1643 Ether-like MIB, RFC2358 ETHER LIKE_MIB, RFC2674,
Additional Features	IGMP Snooping, Telnet, TFTP Client, BootP Client, DHCP Client, SNMP v1/2/3, Rate Limiting down to 64k, QoS classification based on ToS, Traffic Monitoring, MAC address browsing, Port Description, CPU Utilization Monitoring, SNTP, Radius Authentication, TACACS+ Authentication, Auto-Negotiation, Port Mirroring, Broadcast Storm Control, SYSLOG, GVRP

Electrical & Emissions Summary

Emissions	FCC Class A
Power Supply	AC Input: 100 - 240 VAC, 50-60 Hz
Power Consumption	Maximum 12.9 Watts
Heat Dissipation	Maximum 43.99 BTU/hr

Safety Agency Certifications and Environmental

Safety	CSA International

Physical Specifications

Dimensions	6.10 x 8.66 x 1.45in (155mm x 220mm x 37mm)
Weight	2.8 lbs (1.27kg)
Temperature	Operating: 32˚ to 104˚F (0˚ to 40˚ C)
	Storage: -40˚ to 158˚F (-40˚ to 70˚C)
Humidity	Operating 5% to 95% RH, Non-Condensing

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Warranty and Support Information

Warranty	Limited Lifetime Warranty[1]
Support	Free Technical Support

Ordering Information

Part Number	Description
DES-3010FA	Managed Layer 2 Switch with 8 x 10/100Mbps Ports and 1 x 100BASE-FX and 1 x 1000BASE-T copper port
DES-3010FA-TAA	TAA compliant version of DES-3010FA
DEM-310GT	1000BASE-LX SFP/mini-GBIC Up to 500m/10Km (multimode/singlemode)
DEM-311GT	1000BASE-SX SFP/mini-GBIC Up to 220m/550m (multimode)

[1] Limited Lifetime Warranty for as long as the original customer/end user own the product, or five years after product discontinuance, whichever comes first.