

WHAT THIS PRODUCT DOES

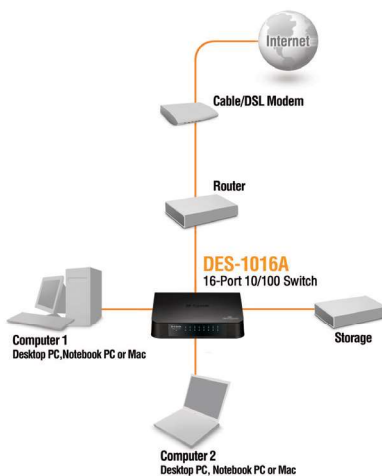
The DES-1016A 16-Port 10/100 Switch offers an economical way for SOHO and small to medium businesses (SMB) to benefit from fast speed networking. It provides sixteen ports for easy expansion of your network and a quick way to upgrade your network to Fast Ethernet connectivity.



SIXTEEN 10/100 ETHERNET PORTS
Connect computers, print servers, or network storage

POWER CONNECTOR
Connects to power adapter

YOUR NETWORK SETUP



TECHNICAL SPECIFICATIONS

KEY FEATURES

- Built-in D-Link Green Technology
- Inexpensive Fast Ethernet solution for Home/SOHO
- Sixteen 10/100 Mbps Fast Ethernet ports
- 3.2 Gbps switching fabric
- Auto MDI/MDIX crossover for all ports
- Secure store-and-forward switching scheme
- Full/half-duplex for Ethernet/Fast Ethernet speeds
- IEEE 802.3x Flow Control
- Supports 9,216 Byte Jumbo Frames
- RoHS compliant
- Plug-and-play installation

STANDARDS

- IEEE 802.1P QoS support
- IEEE 802.3 10BASE-T Ethernet (twisted-pair copper)
- IEEE 802.3u 100BASE-TX Fast Ethernet (twisted-pair copper)
- IEEE 802.3az Energy-Efficient Ethernet (EEE)
- ANSI/IEEE 802.3 NWay auto-negotiation
- IEEE 802.3x Flow Control

PROTOCOL

- CSMA/CD

DATA TRANSFER RATES

- Ethernet:
 - 10 Mbps (half duplex)
 - 20 Mbps (full duplex)
- Fast Ethernet:
 - 100 Mbps (half duplex)
 - 200 Mbps (full duplex)

TOPOLOGY

- Star

NETWORK CABLES

- 10BASE-T:
 - UTP CAT 3, 4, 5/5e (100 m max.)
 - EIA/TIA-586 100-ohm STP (100 m max.)
- 100BASE-TX, 1000BASE-T:
 - UTP CAT 5/5e (100 m max.)
 - EIA/TIA-568 100-ohm STP (100 m max.)

MEDIA INTERFACE EXCHANGE

- Auto MDI/MDIX adjustment for all ports

LED INDICATORS

- Per port: Link/Activity/Speed
- Per device: Power

TRANSMISSION METHOD

- Store-and-forward

MAC ADDRESS TABLE

- 8K entries per device

MAC ADDRESS LEARNING

- Automatic update

PACKET FILTERING/FORWARDING RATES

- Ethernet: 14,880 pps per port
- Fast Ethernet: 148,800 pps per port

RAM BUFFER

- 256 KBytes per device

DC INPUT

- Switching 5 V / 1 A Level V Power Adapter

POWER CONSUMPTION

- Power On (Standby):
 - AC input: 2.36 watts
 - DC input: 1.2 watts
- Maximum:
 - AC input: 2.69 watts
 - DC input: 1.6 watts

OPERATING TEMPERATURE

- 0 to 40 °C (32 to 104 °F)

STORAGE TEMPERATURE

- -10 to 70 °C (14 to 158 °F)

OPERATING HUMIDITY

- 10% to 90% RH non-condensing

STORAGE HUMIDITY

- 5% to 90% RH non-condensing

DEVICE DIMENSIONS (W x D x H)

- 155.7 x 122 x 41 mm
(6.13 x 4.80 x 1.61 inches)

CERTIFICATIONS

- CE Class B
- FCC class B
- CB
- RoHS
- EuP



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