



16/24-PORT 10/100 SWITCH

SILENT OPERATION

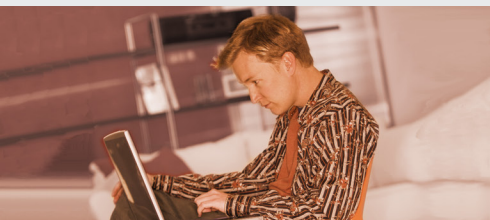
Fanless design provides noise-free operation

PLUG AND PLAY

Auto MDI/MDIX simplifies cable connections

DESKTOP OR RACK MOUNT

Use on your desktop, or use the included rack mounting kit



CREATE A WIRED NETWORK INSTANTLY

With D-Link DES-1016A and DES-1024A, you can easily expand your network by adding more computers or devices with speeds up to 200 Mbps per port in full-duplex mode.

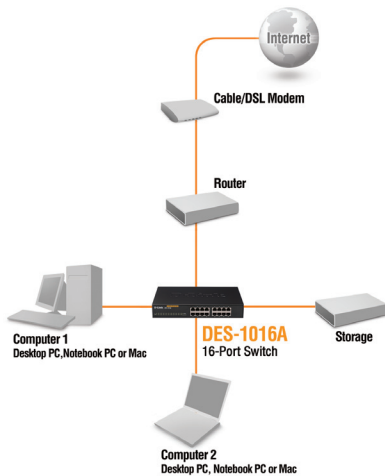
AUTO-SENSING 10/100 PORTS

The DES-1016A and DES-1024A both use auto-sensing 10/100 Mbps ports, allowing a small workgroup to flexibly connect to 10 or 100Mbps devices to create an integrated network. Each port automatically adjusts for straight-through or crossover cables to make the right link.

FLOW CONTROL FOR SECURE TRANSMISSION

802.3x Flow Control on each port minimizes dropped packets when the port's receiving buffer is full.

YOUR NETWORK SETUP



TECHNICAL SPECIFICATIONS

KEY FEATURES

- Inexpensive Fast Ethernet solution for SOHO/SMB
- Auto MDI/MDIX crossover for all ports
- Store-and-forward switching scheme
- Full/half-duplex for Ethernet/Fast Ethernet speeds
- IEEE 802.3x Flow Control
- Plug-and-play installation

SWITCHING FABRIC

- DES-1016A:
 - 3.2 Gbps switching fabric
- DES-1024A:
 - 4.8 Gbps switching fabric

STANDARDS

- IEEE 802.3 10BASE-T Ethernet (twisted-pair copper)
- IEEE 802.3u 100BASE-TX Fast Ethernet (twisted-pair copper)
- 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)

NUMBER OF PORTS

- DES-1016A:
 - 16 10/100Mbps Fast Ethernet ports
- DES-1024A:
 - 24 10/100Mbps Fast Ethernet ports

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
 - 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
- Per device:
 - Power

TRANSMISSION METHOD

- Store-and-forward

MAC ADDRESS TABLE

- 8K entries per device

MAC ADDRESS LEARNING

- Automatic update

PACKET FILTERING/FORWARDING RATES (HALF DUPLEX)

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

RAM BUFFER

- DES-1016A: 256K Bytes (2M bits)
- DES-1024A: 320K Bytes (2.5M bits)

POWER INPUT

- 100-240V AC 50/60 Hz internal universal power supply

POWER CONSUMPTION

DES-1016A

- Power On (Standby):
 - DC input: 1.4 Watts
 - AC input: 1.6 Watts

Max.:

- DC input: 1.6 Watts
- AC input: 2.3 Watts

DES-1024A

- Power On (Standby):
 - DC input: 1.0 Watts
 - AC input: 1.4 Watts

Max.:

- DC input: 4.6 Watts
- AC input: 6.1 Watts

HEAT DISSIPATION

DES-1016A

- Power On (Standby):
 - AC input: 5.46 BTU/h
- Max.:
 - AC input: 7.68 BTU/h

DES-1024A

- Power On (Standby):
 - AC input: 4.5 BTU/h
- Max.:
 - AC input: 20.78 BTU/h

MTBF

- DES-1016A: 840,221 hours
- DES-1024A: 626,992 hours

OPERATING TEMPERATURE

- 0° to 40° C (32° to 104° F)

STORAGE TEMPERATURE

- -10° to 70° C (14° to 158° F)

OPERATING HUMIDITY

- 10% to 85% RH non-condensing

STORAGE HUMIDITY

- 10% to 90% RH non-condensing

DIMENSIONS (W X D X H)

- 280 x 125.8 x 44 mm (11.0 x 5.0 x 1.7 inches)

CERTIFICATIONS

- FCC Class A
- ICES-003 Class A
- CE Class A
- C-Tick Class A
- cUL
- LVD



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