D-Link
Building Networks for People

Product Highlights

Power Your Devices

Supports IEEE 802.3af and IEEE 802.3at Power-over-Ethernet (PoE) to power your PoE-capable network devices via Ethernet cables without the need for power adapters

Reliability PoE Connections

Enhanced surge protection on all PoE ports protects the switch when feeding power to outdoor PoE-capable devices

Flexible Connectivity

All downlink ports support 10/100 Mbps speeds, and two Gigabit uplink ports provide a redundant, wired speed connection for reliable networking

DSS-100E-18P

18-Port 10/100BASE-TX PoE Unmanaged Surveillance Switch

Features

Versatile Connectivity

- 16 x 10/100 Mbps PoE ports
- 1 x Gigabit Ethernet port and 1 x GbE/SFP combo uplink port

Reliability

- 6 kV surge protection
- IEEE 802.3x flow control

Easy Setup

- Plug-and-play installation
- Auto MDI/MDIX crossover for all ports

Green Features

- IEEE 802.3az Energy Efficient Ethernet[1]
- RoHS compliant

The D-Link® DSS-100E-18P 18-Port 10/100BASE-TX PoE Unmanaged Surveillance Switch enables users to easily connect and supply power to PoE-capable devices such as wireless Access Points (APs), IP cameras, and IP phones. The DSS-100E-18P 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 IEEE 802.3af/at

The DSS-100E-18P features 16 IEEE 802.3af and IEE 802.3at PoE protocol compatible ports. Each of the PoE ports can supply up to 30 watts, with a total PoE budget of 230 watt, allowing users to attach an IEEE 802.3af or IEE 802.3at-compliant device to the DSS-100E-18P without requiring additional power. PoE is especially suitable for devices that are far from power outlets or when users want to minimize the clutter of extra cables as power is supplied via the Ethernet cables themselves.

Expand Your Network

The addition of one Gigabit Ethernet port and one GbE/SFP combo uplink port means businesses can increase their network bandwidth using the speed of Gigabit Ethernet while offering redundancy so that voice and surveillance data are transferred reliably. The combo design can increase bandwidth by offering Gigabit copper or fiber connections, giving administrators more options for expansion.

Cut Your Energy Costs

To help small businesses save on operating costs, the DSS-100E-18P supports IEEE 802.3az Energy Efficient Ethernet (EEE)[1]. The switch will detect when network traffic is being passed through the ports, and will automatically put ports to sleep when they are not in use, powering them on only when they are needed.

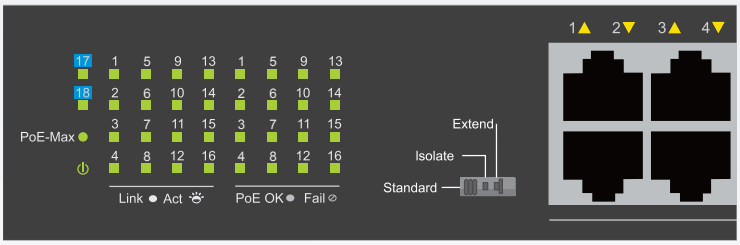
D-Link
Building Networks for People

DSS-100E-18P
18-Port 10/100BASE-TX PoE Unmanaged Surveillance Switch

Hassle-Free Setup

The DSS-100E-18P is a Plug-and-Play device that requires no configuration, so setup is simple and hassle-free. Simply connect the switch to your network, to start connecting multiple computers, sharing files, and making Voice-over-IP calls across the network. Support for Auto MDI/MDIX on all ports eliminates the need for crossover cables when connecting to another switch or hub. Auto-Negotiation on each port senses the link speed of a network device (either 10 or 100) and intelligently adjusts for compatibility and optimal performance. Combining the convenience of PoE, fast performance, reliability, and ease of use, the 18-Port 10/100BASE-TX PoE Unmanaged Surveillance Switch is the ideal choice for adding PoE devices to a network.

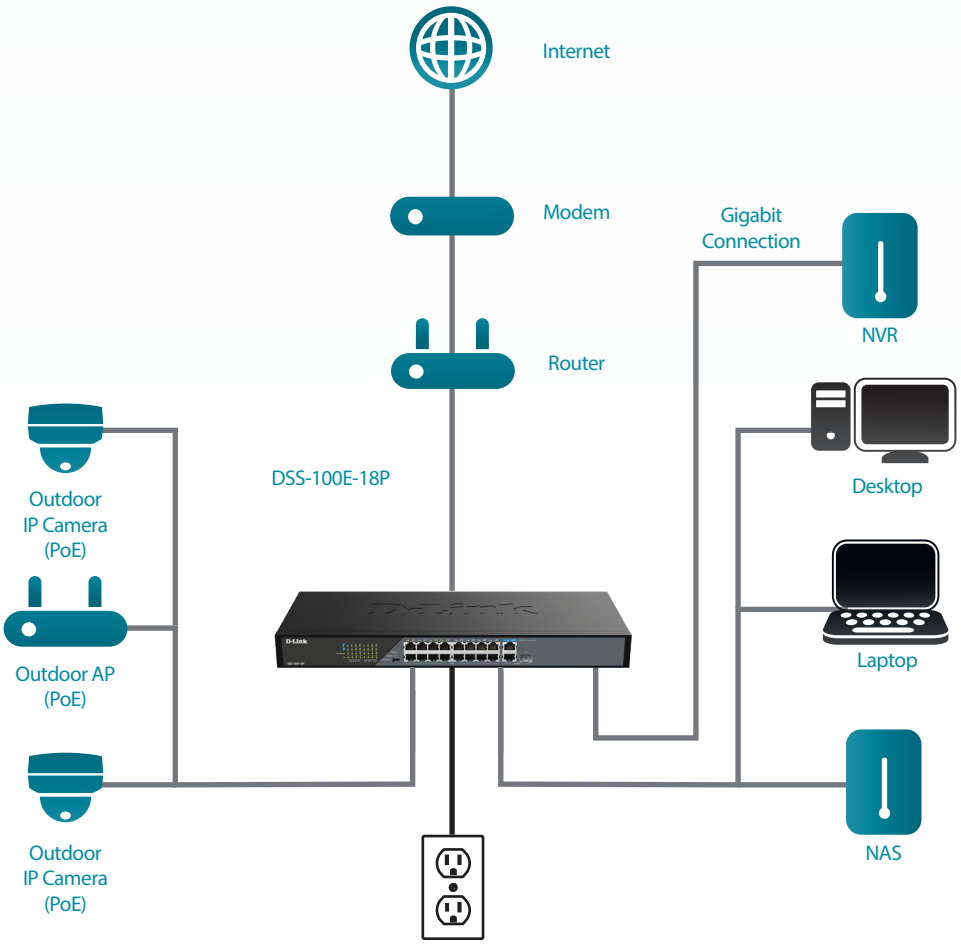
DIP Switches



The DIP switches on the front panel allow easy configuration of the advanced features of the DSS-100E-18P

DIP Switch	Function Controlled	Default
Standard	All switch ports can communicate with each other and work together as a common unmanaged switch. Ports 1-16 support Power over Ethernet and transmit data at 10/100 Mbps. Ports 1 - 8 support port priority to optimize port cache.	On
Isolate	Ports 1 - 16 cannot communicate with each other, but each of them can communicate with ports 17 and 18.	Off
Extend	The data rate of ports 9 - 16 is limited to 10Mbps, whereas the maximum transmission distance of the ports is increased to 250 meters.	Off

Sample Configuration



D-Link®
Building Networks for People

DSS-100E-18P
18-Port 10/100BASE-TX PoE Unmanaged Surveillance Switch

Technical Specifications

General

Device Interfaces	• 16 x 10 / 100 Mbps PoE ports • 1 x 1000BASE-T port • 1 x 100 / 1000BASE-T / SFP combo port	
Standards	• IEEE 802.3 100BASE-T Ethernet • IEEE 802.3u 100BASE-TX Fast Ethernet • IEEE802.3af/802.3at 100Base-TX PoE • IEEE802.3ab	• IEEE 802.3z • IEEE 802.3x Flow Control • IEEE 802.3az Energy-Efficient Ethernet (EEE)[1]
Switching Fabric	• 7.2 Gbps	
64 Byte Max. Forwarding Rate	• 5.36 Mpps	
Transmission Method	• Store-and-forward	
MAC Address Table	• 4k	
Packet Buffer	• 2.75 Mbits	
Media Interface Exchange	• Auto MDI/MDIX adjustment for all ports	
LED Indicators	• Per unit: Power • Per port: Activity / Link and Speed	• Per PoE port: Power fail, Power OK
Fan	• 1 Fan	
PoE Standard	• IEEE 802.3af	• IEEE 802.3at
PoE Ports	• Ports 1~16 up to 30 Watts per port	
PoE Power Budget	• 230 Watts	
Surge Protection	• Ports 1~18 up to 6 kV	

Physical

Dimensions	• 17.32" x 7.01" x 1.73" (440 mm x 178 mm x 44 mm)	
Weight	• 2.137 kg (4.71 lbs)	
Power	• Internal AC input: 100 ~ 240 V	
Power Consumption	• Maximum Power Consumption: 265 watts (PoE on), 16.89 watts (PoE off) • Standby Power Consumption: 9.63 watts / 240 V	
Temperature	• Operating: 0 to 40 ˚C (32 to 104 ˚F)	• Storage: -40 to 70 ˚C (-40 to 158 ˚F)
Humidity	• Operating: 0% to 95% RH non-condensing	• Storage: 0% to 95% RH non-condensing
MTBF	• 30000 hours	
Heat Dissipation	• 120 BTU/h	
Certifications	• CE • RoHS	• C-Tick
Safety	• LVD	

DSS-100E-18P
18-Port 10/100BASE-TX PoE Unmanaged Surveillance Switch

Order Information	
Part Number	*Description*
DSS-100E-18P	16 Ports 10 / 100 Mbps PoE + 1 10 / 100 / 1000Msps + 1 Combo 10 / 100 / 1000Mbps /SFP Combo Ports Unmanaged Surveillance Switch
Optional SFP Transceivers	
DEM-310GT	1000BASE-LX, Single-mode, 10 km
DEM-311GT	1000BASE-SX, Multi-mode, 550 m
DEM-312GT2	1000BASE-SX, Multi-mode, 2 km
DEM-314GT	1000BASE-LHX, Single-mode, 50 km
DEM-315GT	1000BASE-ZX, Single-mode, 80 km
DEM-330T / R	Gigabit WDM transceiver, Single-Mode, 10 km
DEM-331T / R	Gigabit WDM transceiver, Single-Mode, 40 km

[1] Energy savings from IEEE 802.3az Energy Efficient Ethernet (EEE) are dependent on actual usage scenarios.

Updated 2019/10/16

D-Link®
Building Networks for People