

# PoE Unmanaged Surveillance Switches

The DSS-100E series is D-Link's premier Power over Ethernet (PoE) surveillance switch series. They are the safest, most reliable and all-round best solutions for surveillance deployments.

## DSS-100E Series

- Supports power delivery to devices up to 250m away
- 4, 8, 16 or 24 x 10/100 Mbps PoE Ethernet ports
- Equipped with 6kV surge protection to prevent damage from lightning and power surges
- With plug & play, your network is ready to go immediately
- High power budget to support your surveillance network devices
- PoE management prevents power overload to protect powered devices (PD) from damage
- Isolation Mode segregates source of attack to preserve network performance
- Priority transmission of key data flow without loss



### Surge Protection

Supports up to 6 kV surge protection to defend your switch



### PoE Capable

Up to 30W PoE output per port



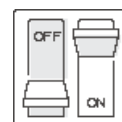
### Gigabit Uplink

1000BASE-T port options for fast uplinks



### Long Range

Extended Range up to 250 M



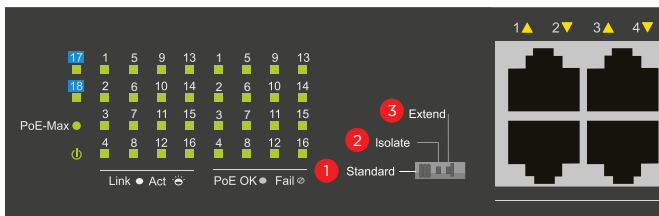
### DIP Switch Convenience

Isolation Mode & Traffic-Priority Control can be easily configured via DIP switch

Model	DSS-100E-6P	DSS-100E-9P	DSS-100E-18P	DSS-100E-26P
Product Image				
<b>General</b>				
Hardware Version	B1			
Size	11" standard rack width, 1U height		19" standard rack width, 1U height	
Interfaces	4 x 10/100Base-T PoE ports	8 x 10/100Base-T PoE ports 1 x 1000Base-T port	16 x 10/100BASE-T PoE ports 1 x 1000BASE-T ports 1 x 100/1000BASE-T/SFP combo port	24 x 10/100BASE-T PoE ports 1 x 1000BASE-T ports 1 x 100/1000BASE-T/SFP combo port
Standards	IEEE 802.3 100BASE-T Ethernet IEEE 802.3u 100BASE-TX Fast Ethernet IEEE802.3ab IEEE 802.3z IEEE 802.3x Flow Control			
Media Interface Exchange	Auto or configurable MDI/MDIX			
LED	Per unit: Power Per port: Activity / Link and Speed Per PoE port: Power fail, Power OK			
<b>Functionality</b>				
Switching Capacity	1.2 Gbps	3.6 Gbps	7.2 Gbps	8.8 Gbps
Forwarding Rate	0.89 Mpps	2.69 Mpps	5.36 Mpps	6.55 Mpps
Packet Buffer	0.45 Kbits	1.0 Mbits	2.75Mbits	4.0 Mbits
Transmission Method	Store-and-Forward			
MAC Address Table Size	1K	2K	4K	16K
Static MAC Addresses	Up to 512 static MAC entries			
Maximum Forwarding Rate	95.24 Mpps	104.16 Mpps	130.95 Mpps	139.88 Mpps
PoE Standard	IEEE802.3at, IEEE802.3af			
PoE Power Budget	55 W	92 W	230 W	230 W
Surge Protection	Up to 6 kV			

Physical				
Power Input	100 - 240 VAC			
Maximum Power Consumption	PoE ON: • AC: 64.20 W • DC: 56.47 W PoE OFF: • AC: 1.57 W • DC: 1.39 W	PoE ON: • AC: 113.4 W • DC: 93.5 W PoE OFF: • AC: 4.57 W • DC: 2.49 W	PoE ON: • AC: 265.0 W • DC: 241.8 W PoE OFF: • AC: 16.89 W • DC: 11.8 W	PoE ON: • AC: 269.28 W • DC: 239.57 W PoE OFF: • AC: 14.84 W • DC: 8.92 W
Standby Power Consumption	100V: 1.07 W 240V: 1.15 W	100V: 3.12 W 240V: 3.50 W	100V: 9.66 W 240V: 9.63 W	100V: 9.12 W 240V: 9.18 W
Acoustics	0 dB(A)	0 dB(A)	38.4 dB(A)	35.3 dB(A)
Heat Dissipation	Power On: • 0.31 BTU/h Maximum: • 7.73 BTU/h	Power On: • 10.7 BTU/h Maximum: • 34.1 BTU/h	Power On: • 33.4 BTU/h Maximum: • 885.3 BTU/h	Power On: • 6.91 BTU/h Maximum: • 29.71 BTU/h
MTBF	96,9571 hours	52,308 hours	42,1391 hours	• 402,625 hours
Operating Temperature	0 - 40 °C (32 - 104 °F)			
Storage Temperature	-40 - 70°C (-40 - 158 °F)			
Operating Humidity	10% - 95% RH			
Storage Humidity	5% - 95% RH			

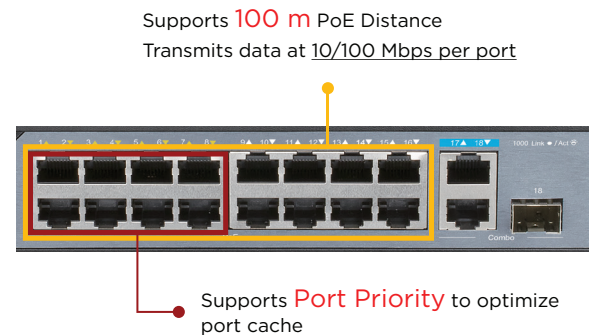
## DIP Switch



### 1 Standard Mode

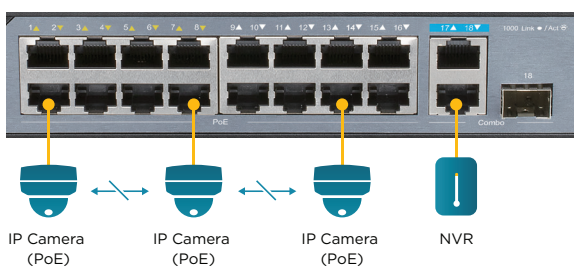
Ports 1-16 support standard 100 m PoE at 10/100 Mbps per port.

Ports 1-8 support port priority to optimize port cache.



### 2 Isolation Mode

Enhances security, restricting ports 1-16 to individually communicate with ports 17 & 18.

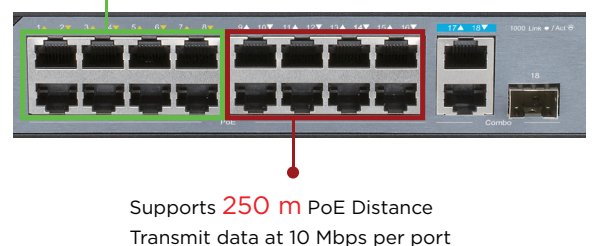


### 3 Extend Mode

Ports 1-8 support standard 100 m PoE at 10/100 Mbps per port.

Ports 9-16 support PoE at distances up to 250 m with transmission speeds of 10 Mbps per port.

Supports 100 m PoE Distance  
Transmit data at 10/100 Mbps per port



DSS-100E-6P	4-Port 10/100Mbps PoE Unmanaged Switch
DSS-100E-9P	9-Port 10/100Mbps PoE Unmanaged Switch
DSS-100E-18P	18-Port 10/100Mbps PoE Unmanaged Switch
DSS-100E-26P	26-Port 10/100Mbps PoE Unmanaged Switch
<b>Optional SFP Transceivers</b>	
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