

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

- 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
- Priority transmission of key data flow without loss
- Isolation Mode segregates source of attack to preserve network performance
- Supports power delivery to devices up to 250m away¹



Surge Protection

Supports up to 6 kV surge protection to defend your switch



PoE Capable

Up to 30W PoE output per port



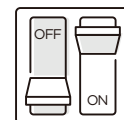
Gigabit Uplink

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				

General				
Hardware Version	A1	B1	A1	A1
Size	11" standard rack width, 1U height		19" standard rack width, 1U height	
Interfaces	4 x 10/100Base-T PoE ports 2 x 100Base-T ports	8 x 10/100Base-T PoE ports 1 x 1000Base-T port	16 x 10/100BASE-T PoE ports 1 x 1000BASE-T port 1 x 1000BASE-T/SFP combo port	24 x 10/100BASE-T PoE ports 1 x 1000BASE-T port 1 x 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			
LEDs	Per unit: Power Per port: Activity / Link and Speed Per PoE port: Power fail, Power OK		Per unit: Power Per port: Activity / Link and Speed Per PoE port: Power fail, Power OK Per PoE-Max: On, Off	
Fan	0	0	1	1

Functionality				
Switching Capacity	1.2 Gbps	3.6 Gbps	7.2 Gbps	8.8 Gbps
Forwarding Rate	0.89 Mpps	2.68 Mpps	5.36 Mpps	6.55 Mpps
Packet Buffer	448 Kbits	1.0 Mbits	2.75Mbits	4.0 Mbits
Transmission Method	Store-and-Forward			
MAC Address Table Size	1K	2K	4K	16K
PoE Standard	IEEE 802.3at Compliant; 1, 2, 4, 5(V+), 3, 6, 7, 8(V-)			
PoE Power Budget	55 W	92 W	230 W	230 W
Surge Protection	Up to 6 kV			

Physical				
Dimensions	100 x 100 x 26 mm (3.9 x 3.9 x 1.0 inches)	177 x 104 x 26 mm (7.0 x 4.1 x 1.0 inches)	440 mm x 178 mm x 44 mm (17.32 x 7.01 x 1.73 inches)	440 mm x 178 mm x 44 mm (17.32 x 7.01 x 1.73 inches)
Weight	0.2 kg (0.44 lbs)	0.41 kg (0.90 lbs)	2.137 kg (4.71 lbs)	2.242 kg (4.94 lbs)
Power Input	51 VDC/1.25A power adapter	51 VDC/2A power adapter	100 - 240 VAC	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

Operating Temperature	0 - 40 °C (32 - 104 °F)
Storage Temperature	-40 - 70°C (-40 - 158 °F)
Operating Humidity	0% - 95% RH
Storage Humidity	0% - 95% RH
Certifications	CE, FCC, RCM, RoHS
Safety	LVD

	DSS-100E-6P	DSS-100E-9P	DSS-100E-18P	DSS-100E-26P
Working Modes (DIP switch)	Standard/Extend & Isolate	Standard/Isolate (extend is auto detect²)	Standard/Isolate/Extend	Standard/Isolate/Extend
Standard Mode (Port priority)	1-2 ports	1-4 ports	1-8 ports	1-8 ports
Isolation Mode	1-4 ports (Extend & Isolate Mode)	1-8 ports	1-16 ports	1-24 ports
Extend Mode	1-4 ports (Extend & Isolate Mode)	1-8 ports (auto detect)	9-16 ports	17-24 ports

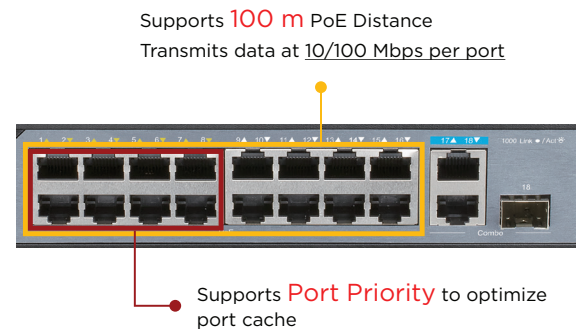
DIP Switch



1 Standard Mode

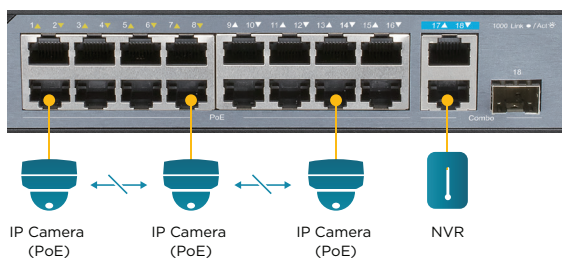
Supports standard 100 m PoE at 10/100 Mbps per port.

Supports downlink port priority to optimize port cache.



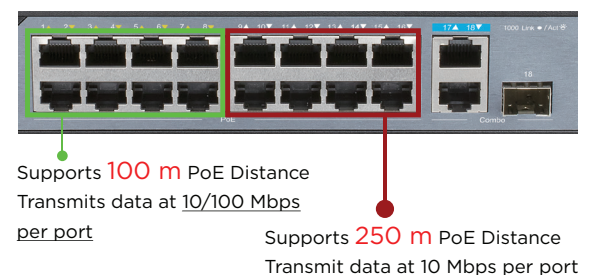
2 Isolation Mode

Enhances security, restricting downlink ports, and can communicate with uplink port separately but cannot communicate with each other.



3 Extend Mode

Equipped with PoE extend technology to 250m with data transmission.



DSS-100E-6P	4-Port 10/100Mbps PoE Unmanaged Surveillance Switch
DSS-100E-9P	9-Port 10/100Mbps PoE Unmanaged Surveillance Switch
DSS-100E-18P	18-Port 10/100Mbps PoE Unmanaged Surveillance Switch
DSS-100E-26P	26-Port 10/100Mbps PoE 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 The 250m long range mode will be subject to cabling quality or IP camera's electrical design, compatibility testing is recommended prior to use.

² UTP CAT5e rated cables (or higher) are required.