D-Link®
Building Networks for People

Product Highlights

Power Over Ethernet

Supports Power over Ethernet on ports 1-8 for powering PoE capable devices through an Ethernet connection.

Long Range PoE Delivery

The DSS-100E-9P surveillance switch supports power delivery of distances up to 250 m[1].

High Quality Defense

Each port is equipped with 6kV surge protection, creating a high quality defense system to prevent connected devices from damage.

DSS-100E-9P

9-Port 10/100 PoE Unmanaged Surveillance Switch

Features

Multi-port PoE Power Delivery
- Supports 8 PoE ports
- Provide 92 W power budget
- Up to 30 W power output per port

Gigabit Uplink Connection
- 1 x Gigabit Ethernet port allows sufficient bandwidth for uplink connections

Easy Installation
- Plug and play application
- Auto detect mode for long reach[2]

The DSS-100E-9P is a member of D-Link's premier PoE Surveillance Switch family. These surveillance switches are the safest, most reliable and all around best solutions for your surveillance deployments. Supporting long range power delivery and upholding strict surge protection standards, the DSS-100E-9P 9-Port 10/100 PoE Unmanaged Surveillance Switch provides the ideal solution for your surveillance and security systems.

Auto detection for long range deployment

The DSS-100E-9P makes life easy; no DIP switch configuration and no restart required. The DSS-100E-9P can simply detect long range requirements, then automatically activate extended mode without any manual configuration. It can provide power delivery up to 250 m without the need for PoE extenders. This feature not only streamlines PoE set up, but also cuts down on your deployment's installation expenses.
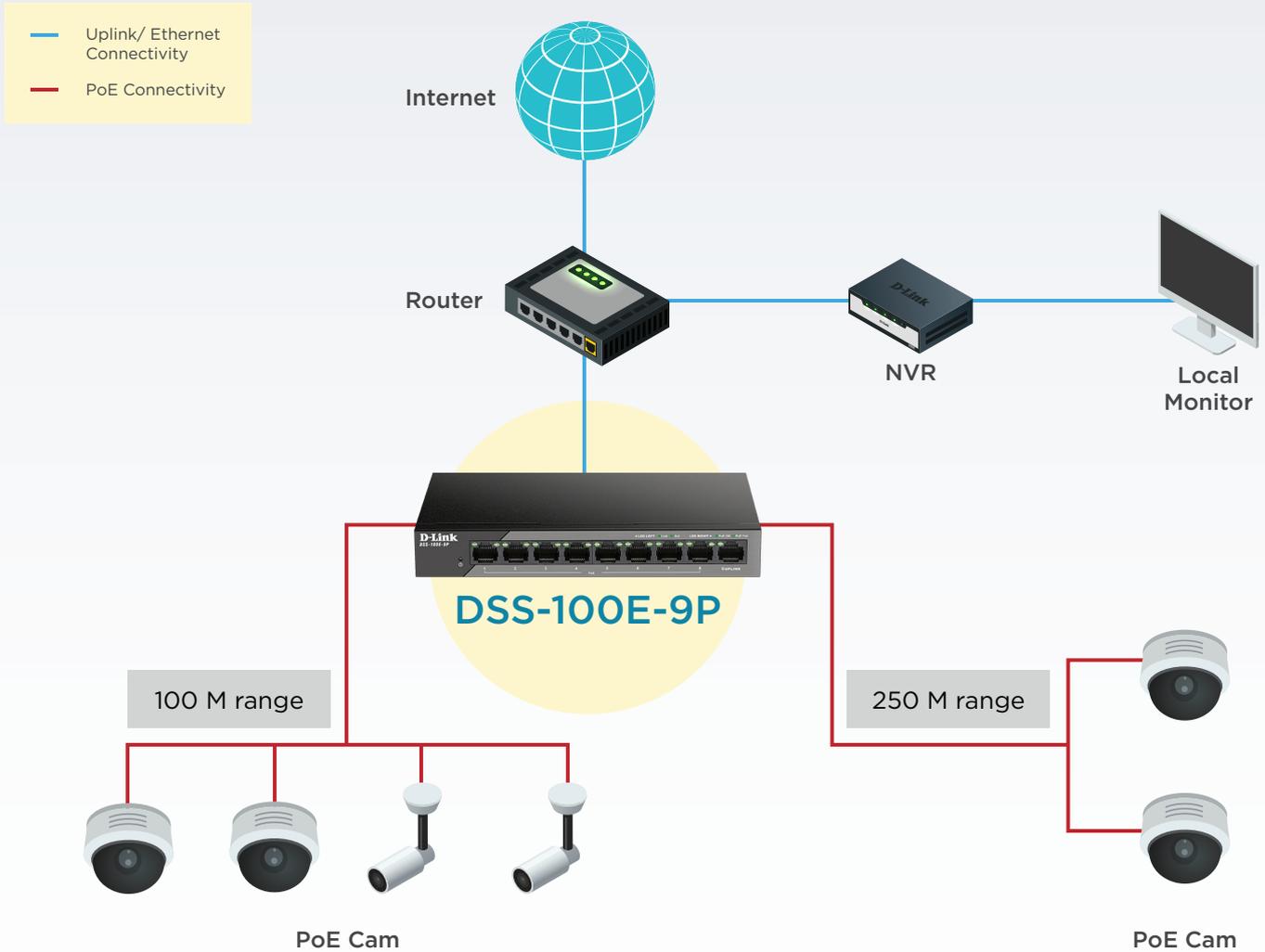
Reliable Protection on Every Port

The DSS-100E-9P 9-Port 10/100 PoE Unmanaged Surveillance Switch supports 6kV surge protection to defend your surveillance network against lightening and other incidents resulting in overvoltage. This prevents PoE devices from damage and ensures no interruptions or blackouts in your surveillance systems.

Gigabit Uplink Connection

The DSS-100E-9P is equipped with one Gigabit uplink port, giving you the power to expand and secure your nework. This will provide sufficient bandwidth and ensure smooth transmission performance when connecting to an NVR or another switch.

Sample Topology

Uplink/ Ethernet Connectivity

PoE Connectivity

Internet

Router

NVR

Local Monitor

DSS-100E-9P

100 M range

250 M range

PoE Cam

PoE Cam

Technical Specifications

General

Standards	• IEEE 802.3 10BASE-T Ethernet (twisted-pair copper) • IEEE 802.3u 100BASE-TX Fast Ethernet (twisted-pair copper)	• IEEE 802.3ab Gigabit Ethernet • IEEE 802.3x Flow Control Support
LAN	• 8 x 10/100 Mbps Ethernet ports	• 1 x 10/100/1000 Mbps Ethernet port
Port Packet Filtering/Forwarding Rate	• 14,880 pps for 10 M • 148,800 pps for 100 M	• 1,488,000 pps for 1000 M
Switching Fabric	• 3.6 Gbps switching fabric	
Number of Ports	• 8 x 10/100 Mbps Fast Ethernet ports	• 1 x Gigabit Ethernet uplink port
Media Interface Exchange	• Auto MDI/MDIX adjustment for all ports	
LED Indicators	• Link/Activity (per port)	• Power (per device)
Transmission Method	• Store-and-forward	
MAC Address Table	• 2K entries per device	

Physical

Dimensions	• 177 x 104 x 26 mm (7.0 x 4.1 x 1.0 inches)	
Weight	• 0.41 kg (0.90 lbs)	
Power Consumption	• Power On (Standby, no PD device connected) • AC input: 10 watts maximum	• Maximum: • AC input: 102 watts
Heat Dissipation	• Power On (Standby, no PD device connected) • AC input: 22.67 BTU/h	• Maximum: • AC input: 486.7 BTU/h
MTBF	• 52,308 hours	
Temperature	• Operating: 0 to 40 °C (32 to 104 °F)	• Storage: -40 to 70 °C
Humidity	• Operating: 0% to 95% non-condensing	• Storage: 0% to 95% non-condensing

Certifications	• EMC
	  • FCC Class A
	  • CE Class A
	  • BSMI Class A
	• Saftey
	  • LVD
	  • BSMI
		• Surge Protection:
		  • Ethernet Ports: 6kV
		  • Power Input: 4kV
		• Other
		  • RoHS Compliance

Order Information

Part Number	Description
DSS-100E-9P	9-Port 10/100 PoE Unmanaged Surveillance Switch

[1] This device can support up to 250 m power delivery with a CAT5e cable, but transmission speeds will drop to 10 Mbps or below.
[2] UTP CAT5e or above cables are required.

Updated 05/12/20

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