

Product Highlights

Robust Design

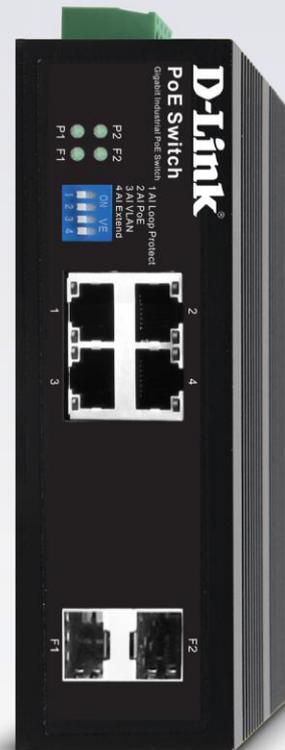
High EMC endurance, fanless design, and a wide operating temperature range combined with an IP40 housing to withstand harsh operating environments

Flexible Deployment

Plug-and-Play compact form factor design that supports multiple mounting options to allow for flexible and swift deployment

Power Supply

Support Dual DC power backup and overvoltage protection



DIS-F1006PS-E

Gigabit Industrial Unmanaged Switches

Features

Packed with Advanced Features

- Plug-and-Play installation
- Support PoE up to 250m distance
- Support Port Based VLAN
- Support recovery of PoE powered devices

Robust and High-Redundancy Design

- Fanless, passive cooling design
- Wide operating temperature (-40 ~ 75 °C)
- High EMC endurance
- Durable IP40-rated housing
- Dual power input for redundant power supplies

The DIS-F1006PS-E Gigabit Industrial Unmanaged PoE Switches are equipped with 4 Gigabits downstream and 2 Gigabit SFP ports. DIS-F1006PS-E feature a robust design making them ideal for deployment in industrial and outdoor cabinet surveillance settings, capable of withstanding the harshest environments. In addition, the DIS-F1006PS-E are Plug-and-Play, allowing for effortless and swift deployment.

Durable, Reliable, and Efficient

The DIS-F1006PS-E switches are housed in a highly resistant IP40-rated metal casing to protect the switches from harsh environmental conditions. The high electromagnetic compatibility (EMC) protects the DIS-F1006PS-E from unwanted effects when operating in environments with strong electromagnetic interference. Meanwhile, the fanless design extends the life of the DIS-F1006PS-E while also being able to operate in a wide temperature range from -40 °C up to 75 °C. For increased flexibility, the DIS-F1006PS-E can also be mounted on a DIN rail or conveniently mounted on a solid surface wall. In addition, the DIS-F1006PS-E supports dual power input which allows for a redundant power supply configuration to make sure the switches continue to operate in the event of a primary power supply failure.

Meanwhile, it support Quality of Service (QoS) engine prioritizes network traffic so that time-sensitive data is delivered efficiently, even during bursts of high data traffic. This helps ensure an optimal experience for streaming critical data such as from surveillance and recognition systems.

Power over Ethernet Support

The PoE-ready DIS-F1006PS-E features a total PoE budget of 120W, capable of supplying up to 30W of power per port to connected PoE-enabled devices leveraging existing conventional Ethernet cabling. This effectively cuts down deployment times, reduces cable clutter, and eliminates the need for dedicated power supplies to allow PoE-devices to be installed in remote locations. With PoE extend enabled, it can support up to 250m distance reducing the number of equipment needed.

Gigabit Industrial Unmanaged Switches

Technical Specification	
General	DIS-F1006PS-E
Chip	<ul style="list-style-type: none"> • Broadcom high performance chip
Number of Ports	<ul style="list-style-type: none"> • RJ45 port: 4x 10/100/1000Base Tx RJ45 ports • Optical port: 2x 1000Base-X (SFP)
Port Functions	<ul style="list-style-type: none"> • IEEE 802.3: for Ethernet Media Access Control <ul style="list-style-type: none"> • IEEE 802.3u: for Fast Ethernet • IEEE 802.3ab: for Gigabit Ethernet • IEEE 802.3z: for Gigabit Fiber • IEEE 802.3af/at: for Power Over Ethernet <ul style="list-style-type: none"> • IEEE 802.3i: for Ethernet
Performance	
Switching Capacity	<ul style="list-style-type: none"> • 12Gbps
Maximum Forwarding Rate	<ul style="list-style-type: none"> • 8.9Mbps
MAC Address Table Size	<ul style="list-style-type: none"> • Up to 8K entries
Transmission Method	<ul style="list-style-type: none"> • Store-and-Forward
PoE	
PoE Standards	<ul style="list-style-type: none"> • IEEE 802.3af/at
PoE Capable ports	<ul style="list-style-type: none"> • Port 1 to 4
PoE Power Budget	<ul style="list-style-type: none"> • Max 120W
Physical	
Diagnostic LED's	<ul style="list-style-type: none"> • SYS • ALM • PWR 1/2 • Link/Act • PoE Status
Power Input	<ul style="list-style-type: none"> • 48 to 54 V DC terminal block dual input
	<ul style="list-style-type: none"> • 54 V DC 4-pin DIN single power output
Power Consumption	<ul style="list-style-type: none"> • Maximum 120W (PoE on)
	<ul style="list-style-type: none"> • Maximum 5W (PoE off)
Weight	<ul style="list-style-type: none"> • 1Kg
Dimensions	<ul style="list-style-type: none"> • 163mm × 46.5mm × 110mm
Ventilation	<ul style="list-style-type: none"> • Fanless
Operating Temperature	<ul style="list-style-type: none"> • -40~75°C (-40 to 167 °F)
Storage Temperature	<ul style="list-style-type: none"> • -40~75°C (-40 to 167 °F)
Relative Humidity	<ul style="list-style-type: none"> • 5%~95% (no condensation)
Material	<ul style="list-style-type: none"> • IP40 rated metal casing
Installation	<ul style="list-style-type: none"> • DIN rail mounting
MTBF	<ul style="list-style-type: none"> • 100,000 hours