D-Link

Product Highlights

Robust Design

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

Industrial Deployment

Compact, plug-and-play form factor design that supports DIN rail mounting to allow for flexible and swift deployment.

Flexible Availability

8 Gigabit Ethernet ports and 2 SFP uplink ports for long distance connections.



DIS-110G-10

10-Port Gigabit Industrial Unmanaged Switch

Key Features

Adaptable Application

- SFP ports for long distance connections
- Plug-and-play installation

Robust and High-Redundancy Design

- Fanless, passive cooling design
- Industrial grade operating temperature (-40~75°C)
- High EMS endurance
- Durable IP40-rated housing
- Dual power input for redundant power supplies
- Built-in 6 KV surge protection on copper ports

Convenient DIP Switch Settings

- Fast Ring (RSTP)
- Extend Mode (Ports 7–8)

Advanced Features

- 12K jumbo frames
- IEEE 802.3az Energy Efficient Ethernet
- Power saving by link status

The DIS-110G-10 10-Port Gigabit Industrial Unmanaged Switch features a robust design, making it ideal for deployment in industrial and outdoor cabinet surveillance settings and capable of withstanding the harshest environments. In addition, the DIS-110G-10 is plug-and-play, allowing for effortless and swift deployment.

Durable, Reliable, and Efficient

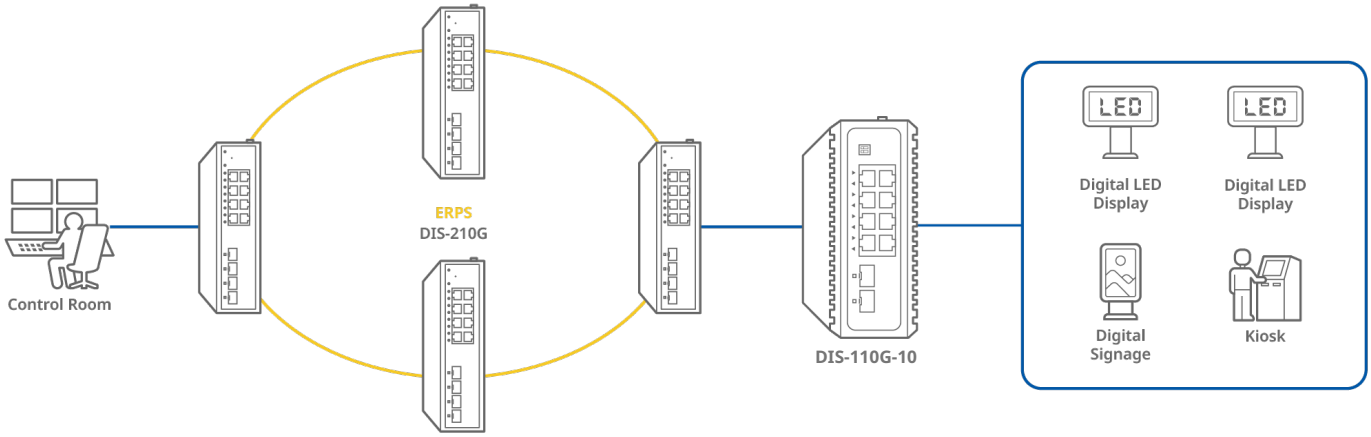
The DIS-110G-10 switch is housed in a highly resistant IP40-rated metal casing to protect the switch from harsh environmental conditions. High electromagnetic susceptibility (EMS) protects the DIS-110G-10 from undesirable effects when operating in environments with strong electromagnetic interference. Meanwhile, the fanless design extends the life of the DIS-110G-10 while also enabling it to operate in a wide temperature range from -40 °C up to 75 °C. With DIN rail mounting capability, the DIS-110G-10 can fit seamlessly into your industrial equipment infrastructure. In addition, the DIS-110G-10 supports dual power input, which allows for a redundant power supply configuration to make sure the switch continues to operate in the event of a primary power supply failure.

Green Ethernet Technology

The DIS-110G-10 features green technology; IEEE 802.3az Energy-Efficient Ethernet (EEE). Energy-Efficient Ethernet reduces the power consumption of the switch when network utilisation is low, effectively lowering the cost of ownership during periods of inactivity.

DIS-110G-10 10-Port Gigabit Industrial Unmanaged Switch

Connection Diagram



Specifications

Model Number	DIS-110G-10
Hardware Version	A1
Interfaces	• 8 x GE ports • 2 x 1G SFP ports
Port Functions	• IEEE 802.3 for Ethernet • IEEE 802.3u for Fast Ethernet • IEEE 802.3z for Gigabit fiber • IEEE 802.3az Energy-Efficient Ethernet (EEE)
Media Interface Exchange	Auto MDI/MDIX adjustment for all twisted-pair ports
Performance	
Switching Capacity	20 Gbps
Transmission Method	Store-and-forward
MAC Address Table	8 K
Maximum 64 Byte Packet Forwarding Rate	14.88 Mpps
Packet Buffer Memory	4 Mbits
Flash Memory	16 MB
LEDs	
Power (per device)	✓
Link/Active/Speed (per RJ-45 port)	✓
Link/Active/Speed (per SFP port)	✓
DIP Switch Functions	
Fast Ring	ON: Enable RSTP
EXT (Extend Mode)	ON: Ports 7–8 support data transmission up to 250 meters at data rates up to 10 Mbps. Cat 5e or Cat 6 cables should be used for this application. The extended distance may be affected by the environment, cable quality, and connected devices.

Physical	
Power Input	12 to 55 VDC terminal block dual input
Maximum Power Consumption	Maximum: 6.96 W
Standby Power Consumption	Minimum: 2.59 W
Heat Dissipation	23.75 BTU/hr
MTBF	> 200,000 hours
Operating Temperature	-40 to 75°C
Storage Temperature	-40 to 85°C
Operating Humidity	5% to 95% relative humidity
Storage Humidity	5% to 95% relative humidity
Material	IP40-rated metal casing
Installation	DIN rail
Dimensions (L x W x H)	138 x 108 x 51 mm
Weight	0.71 kg
Certifications	
Safety	cUL, CB, CE, BSMI
EMI	CE Class A, VCCI Class A, FCC Class A, IC, BSMI, RCM
Optional SFP Transceivers	
DIS-S301SX	1000BASE-SX, multi-mode, 550 m, -40 to 85 °C operating temperature
DIS-S302SX	1000BASE-SX, multi-mode, 2 km, -40 to 85 °C operating temperature
DIS-S310LX	1000BASE-LX, single-mode, 10 km, -40 to 85 °C operating temperature
DIS-S330EX	1000BASE-EX, single-mode, 30 km, -40 to 85 °C operating temperature
DIS-S350LHX	1000BASE-LHX, single-mode, 50 km, -40 to 85 °C operating temperature
DIS-S380ZX	1000BASE-ZX, single-mode, 80 km, -40 to 85 °C operating temperature

Actual performances may vary due to settings, cabling, temperature, network configuration, interface, device compatibility, environmental and on-site conditions, and other similar factors. References to power capability, signal or processing speed, signal range or distance, data encryption, storage capacity, display properties, or other performance metrics are based on optimal conditions derived from industry standards and provided for informational purposes only. Specifications may be subject to change without prior notice.

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