D-Link®

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.

DIS-100E-05

5-Port Industrial Switch with 5 10/100BASE-T ports

Key Features:

Robust and High-Redundancy Design

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

Advanced Features

• 1.5K jumbo frames
• IEEE 802.3az Energy Efficient Ethernet
• Power saving by link status

Unmanaged Plug-and-Play
Industrial-grade networking with zero configuration required

Fast Ethernet Connectivity
Designed with 5 x 10/100BaseT(X) Fast Ethernet ports to suit your network layout

Officially Certified
Certifications for vibration, shock, free-fall and electromagnetic compatibility to maximise network uptime in a variety of deployment environments

Withstands Extreme Temperatures
Operates effortlessly in a range of industrial and harsh environments in temperatures from -40℃ to +75℃, and can cold start from -40℃

Strong Build
Engineered with a rugged housing to keep your network protected and performing reliably in harsh conditions

Fast Deployment
For instant installation it features a snap-to-DIN-rail clip, and also supports wall mounting

Fanless Design
With no moving parts inside to reduce downtime, the rugged housing has been optimised for the transfer of heat
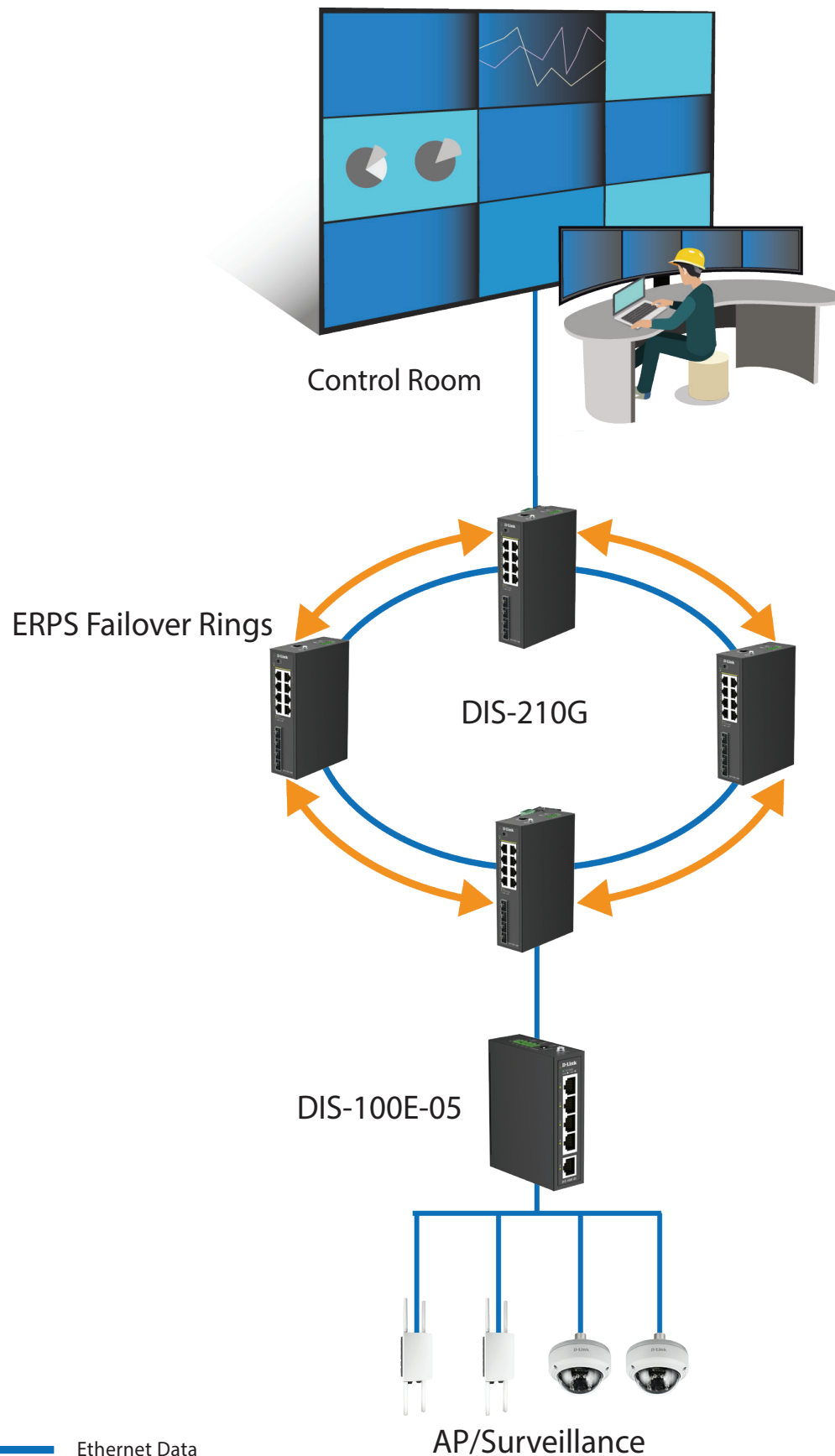
Discreet Size
Small but mighty. To make the most of cabinet space, it measures: 100 x 76.5 x 30 mm

The DIS-100E-05 Fast Ethernet Industrial Unmanaged Switch features a rugged, high-redundancy design, making it ideal for industrial and outdoor applications. Built to withstand harsh environments, it also offers plug-and-play functionality for quick and effortless deployment.

Durable and Reliable Design

The DIS-100E-05 Switch is built to perform in tough industrial environments. Its rugged, IP40-rated metal housing provides reliable protection against dust and physical stress, while advanced EMC shielding ensures uninterrupted operation in areas with heavy electrical noise and interference.

Silent Operation, Extreme Durability

The fanless design enhances the DIS-100E-05 Industrial Switch's lifespan while enabling reliable operation in extreme temperatures ranging from -40 ℃ to 75 ℃. With DIN rail mounting capability, the DIS-100E-05 can fit seamlessly into your industrial equipment infrastructure.

High Redundancy and Reliability

The DIS-100E-05 Switch supports ERPS quick failover recovery for ring topologies that ensures minimal downtime and avoids any loss of data in mission-critical deployment settings. Meanwhile, the dual power input allows for a redundant power supply to make sure the device continues to operate in the event of a primary power supply failure.

Green Ethernet Technology

The DIS-100E-05 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.

Deployment Scenario

Control Room

ERPS Failover Rings

DIS-210G

DIS-100E-05

AP/Surveillance

Ethernet Data

Technical Specifications

General

HW Version	• A1
Device Interfaces	• 5 x 10/100Mbps Ethernet ports
Port Functions	• IEEE 802.3 for Ethernet • IEEE 802.3z for Gigabit fiber • IEEE 802.3u for Fast Ethernet • IEEE 802.3az Energy-Efficient Ethernet (EEE)
Media Interface Exchange	• Auto MDI/MDIX adjustment for all twisted-pair ports

Performance

Switching Capacity	• 1Gbps
Transmission Method	• Store-and-forward
MAC Address Table	• 1K
Maximum 64 Byte Packet Forwarding Rate	• 0.74Mpps
Packet Buffer Memory	• 0.448MB

LEDs

Power (per device)	✔
Link / Active / Speed (per RJ45 port)	✔

Physical

Power Input	12 to 55 VDC terminal block dual input
Max Power Consumption	Maximum: 1.45W
Standby Power Consumption	Maximum: 1.03W
Heat Dissipation	4.95 BTU/h
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	100 x 76.5 x 30mm
Weight	0.27kg

Other

Certifications	CE, FCC, RCM, RoHS

Ordering Information

DIS-100E-05	5-Port Industrial Switch with 5 10/100BASE-T ports
Barcode / UPC	790069479472

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