

## 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.



## DIS-100E-05

# 5-Port Fast Ethernet Industrial Unmanaged Switch

## Key Features

### 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
- Plug-and-play installation

### Advanced Features

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

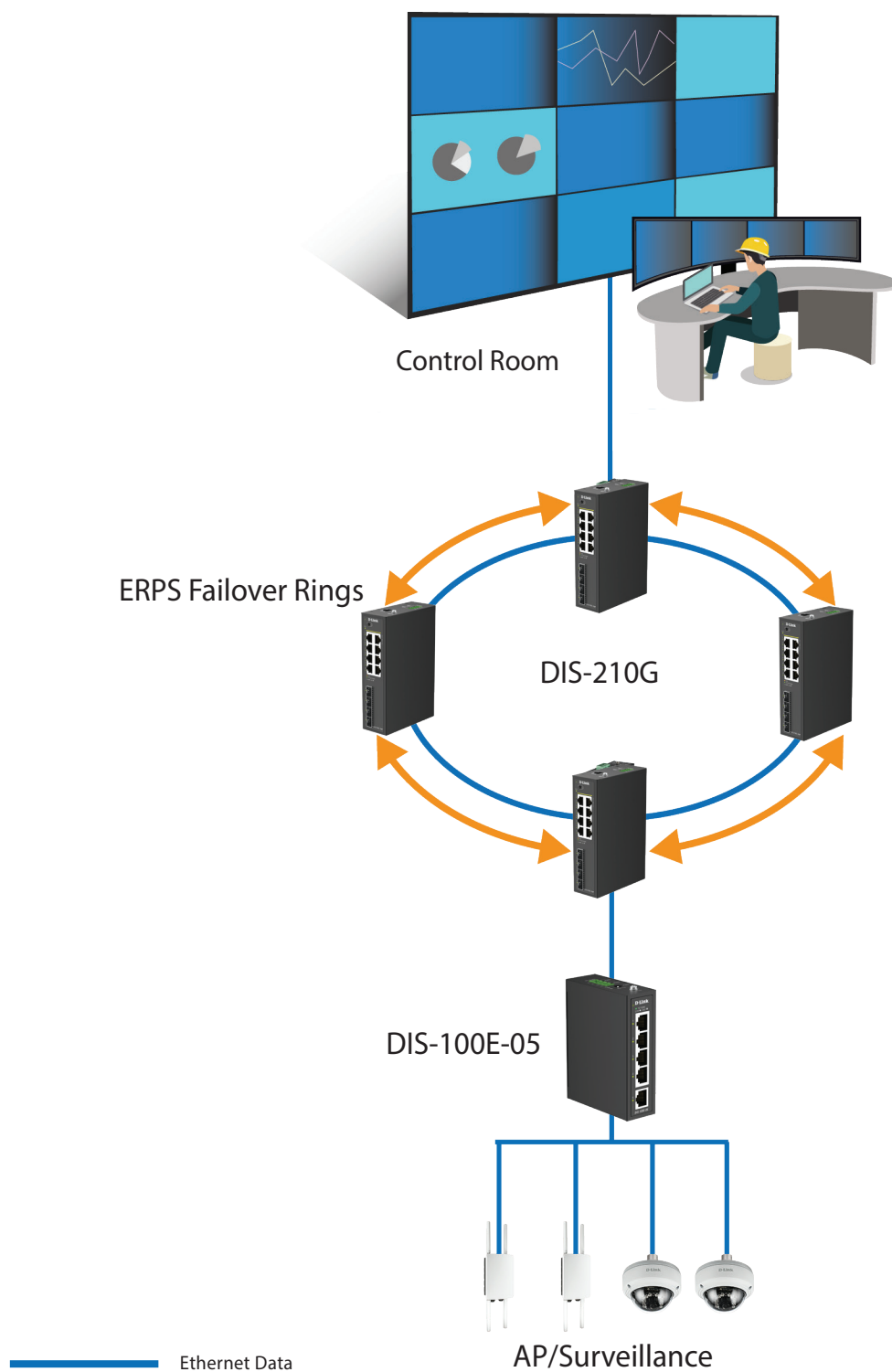
The DIS-100E-05 5-Port Fast Ethernet Industrial Unmanaged Switch features a robust design, making it ideal for deployment in industrial and outdoor cabinet surveillance settings and capable of withstanding the harshest environments. In addition, the DIS-100E-05 is plug-and-play, allowing for effortless and swift deployment.

## Durable, Reliable, and Efficient

The DIS-100E-05 switch is housed in a highly resistant IP40-rated metal casing to protect the switch from harsh environmental conditions. High electromagnetic susceptibility (EMS) protects it from undesirable effects when operating in environments with strong electromagnetic interference. Meanwhile, the fanless design extends the life of the DIS-100E-05 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-100E-05 can fit seamlessly into your industrial equipment infrastructure. In addition, the DIS-100E-05 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-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.



Technical Specifications

|                                        |                                                                                                                |  |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------|--|
| Model Number                           | DIS-100E-05                                                                                                    |  |
| Hardware Version                       | A1                                                                                                             |  |
| Interfaces                             | 5 x 10/100 Mbps Ethernet ports                                                                                 |  |
| Port Functions                         | • IEEE 802.3 for Ethernet<br>• IEEE 802.3u for Fast Ethernet<br>• IEEE 802.3az Energy-Efficient Ethernet (EEE) |  |
| Media Interface Exchange               | Auto MDI/MDIX adjustment for all twisted-pair ports                                                            |  |
| Performance                            |                                                                                                                |  |
| Switching Capacity                     | 1 Gbps                                                                                                         |  |
| Transmission Method                    | Store-and-forward                                                                                              |  |
| MAC Address Table                      | 1K                                                                                                             |  |
| Maximum 64 Byte Packet Forwarding Rate | 0.74 Mpps                                                                                                      |  |
| Packet Buffer Memory                   | 0.448 MB                                                                                                       |  |
| LED                                    |                                                                                                                |  |
| Power (per device)                     | √                                                                                                              |  |
| Link/Active/Speed (per RJ-45 port)     | √                                                                                                              |  |
| Physical                               |                                                                                                                |  |
| Power Input                            | 12 to 55 VDC terminal block dual input                                                                         |  |
| Maximum Power Consumption              | Maximum: 1.45 W                                                                                                |  |
| Standby Power Consumption              | Maximum: 1.03 W                                                                                                |  |
| Heat Dissipation                       | 4.95 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)                 | 100 x 76.5 x 30 mm                                                                                             |  |
| Weight                                 | 0.27 kg                                                                                                        |  |
| Certifications                         |                                                                                                                |  |
| Safety                                 | cUL, CB, CE, BSMI                                                                                              |  |
| EMI                                    | CE Class A, VCCI Class A, FCC Class A, IC, BSMI, RCM                                                           |  |

For more information: [www.dlink.com](http://www.dlink.com)

