

Product Highlights

Rugged, Hardened Design

Design to operate in wide temperature ranges, vibration, shock, allowing the switches to be deployed in enclosures or cabinets in outdoor locations

Easily Installation

Simple plug & play installation with DIN-rail mounting ability.

Redundant Power Input with Alarm

Redundant power input ensure network uptime should a power supply fail, whilst power alarm relay output notifies you instantly when a power supply has failed



DIS-100E Series

Industrial Fast Ethernet Unmanaged Switches

Features

IP-30 Ingress Protection

Operating Temperature

- -40°to 75°C

Power source

- Redundant Dual Power Inputs
- Reverse Polarity Protection

Din-Rail and Wall mounting options

Environmental Test

- Shock - IEC 60068-2-27
- Freefall - IEC 60068-2-32
- Vibration - IEC 60068-2-6

Safety Certifications

- UL
- CE/FCC

Fan-less design

The DIS-100E Series Industrial Fast Ethernet Unmanaged Switches are designed specifically to withstand wide temperature range, vibrations and shock. These rugged, yet easy to deploy, switches have superior environmental specification compared to those of commercial network switches. With its hardened design combined with high availability network features, these switches form vital parts of any network infrastructure facilitating the increasing demand for smart cities, city-wide surveillance and wireless connectivity. DIS-100E Series Unmanaged Switches provides 5 and 8 Fast Ethernet ports and are designed for supporting standard industrial applications without complex setup to make the network truly plug-and-play.

Customers

The DIS-100E Series family of switches is ideal for customers looking for an entry-level Ethernet switch for industrial environments. These unmanaged switches offer plug & play installation, ideal for network edge deployment.

Application

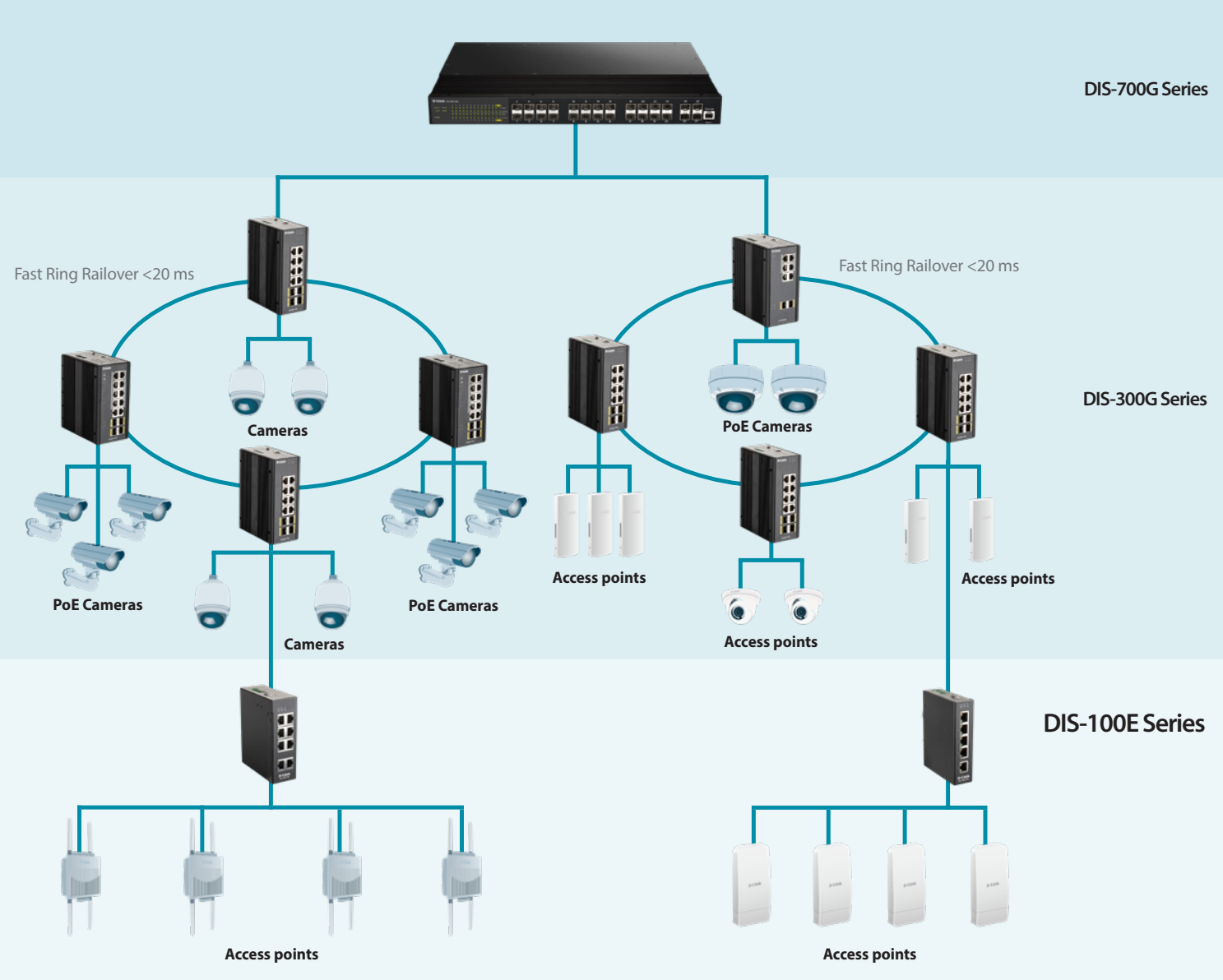
- Challenging environmental conditions
- High ambient temperatures

Market

- Heavy industrial / factory automation
- Intelligent transport system (ITS) / railway applications
- City surveillance / smart cities

D-Link® DIS-100E Series Industrial Fast Ethernet Unmanaged Switches

Deployment Scenario



D-Link® DIS-100E Series Industrial Fast Ethernet Unmanaged Switches

| Technical Specifications | DIS-100E-5W | DIS-100E-8W |
|--------------------------------------|---|---|
| Ethernet | | |
| Ethernet Interfaces | 5 x 10/100BaseT(X) ports | 8 x 10/100BaseT(X) ports |
| Operating Mode | Store and forward, L2 wire-speed/non-blocking switching engine | |
| MAC Addresses | 1K | |
| Flow Control | IEEE 802.3x (Full Duplex) and Back-Pressure(Half Duplex) | |
| Fault contact | Power alarm relay output | |
| DIP switches | Enable/Disable broadcast storm protection Enable/Disable Power Alarm | |
| Copper RJ45 Ports | | |
| Speed | 10/100 Mbps | |
| MDI/MDIX Auto-Crossover | Support straight or cross wired cables | |
| Auto-Negotiating | 10/100 Mbps speed auto-negotiation; Full and half duplex | |
| Power | | |
| Power Input | Redundant Input Terminals Reverse power protection | |
| Input Voltage Range | 12-58 VDC | |
| Power Consumption | Standby power: 0.95W Max. power: 1.56W | Standby power: 1.41W Max. power: 1.64W |
| Compatible Power Supplies | DIS-H30-24, DIS-H60-24, DIS-N240-48, DIS-N480-48 | |
| Indicators | | |
| Power Status | Indication of power input status | |
| Ethernet Port | Link & Speed | |
| Environmental and Compliances | | |
| Operating Temperature Range | -40 to +75°C | |
| Storage Temperature Range | -40 to +85 °C | |
| Humidity (Non-Condensing) | 5 to 95% RH | |
| Vibration, Shock & Freefall | Vibration: IEC60068-2-6; Shock: IEC60068-2-27; Free Fall: IEC60068-2-32 | |
| Certification Compliance | UL 60950-1, CE, FCC | |
| Electrical safety | CSA C22, CE | |
| EMC | FCC Part 15, CISPR 22 (EN55022) Class A, EN 61000-4-2, -3, -4, -5, -6 (Level 3) | |
| RoHS & WEEE | RoHS (Pb free) and WEEE compliant | |
| MTBF | > 25 years | |
| Mechanical | | |
| Ingress Protection | IP30 | |
| Dimensions | 109.2 x 29.1 x 89.4 mm | 117.8 x 39 x 96.9 mm |
| Weight | 320 g | 405 g |
| Installation Options | DIN-Rail mounting, Wall mounting | |

D-Link® DIS-100E Series Industrial Fast Ethernet Unmanaged Switches

Accessories

Power Supplies

| | |
|-------------|---|
| DIS-H30-24 | <p>30W 24VDC Ultra Slim DIN Rail PSU</p> <ul style="list-style-type: none">• Input: 85 ~ 264VAC• Output: 21.6 ~ 29V DC• Din rail TS-35/7.5 or 15 mountable• -30~70°C operating temperature |
| DIS-H60-24 | <p>60W 24VDC Ultra Slim DIN Rail PSU</p> <ul style="list-style-type: none">• Input: 85 ~ 264VAC• Output: 21.6 ~ 29V DC• Din rail TS-35/7.5 or 15 mountable• -30~70°C operating temperature |
| DIS-N240-48 | <p>240W 48VDC DIN Rail PSU</p> <ul style="list-style-type: none">• Input: 90 ~ 264VAC• Output: 48 ~ 55V DC• Din rail TS-35/7.5 or 15 mountable• -20~70°C operating temperature |
| DIS-N480-48 | <p>480W 48VDC DIN Rail PSU</p> <ul style="list-style-type: none">• Input: 90 ~ 264VAC• Output: 48 ~ 55V DC• Din rail TS-35/7.5 or 15 mountable• -20~70°C operating temperature |



For more information: www.dlink.com

D-Link European Headquarters. D-Link (Europe) Ltd., First Floor, Artemis Building, Odyssey Business Park, West End Road, South Ruislip HA4 6QE, United Kingdom. Specifications are subject to change without notice. D-Link is a registered trademark of D-Link Corporation and its overseas subsidiaries. All other trademarks belong to their respective owners. ©2018 D-Link Corporation. All rights reserved. E&OE.

Updated June 2018

D-Link®