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

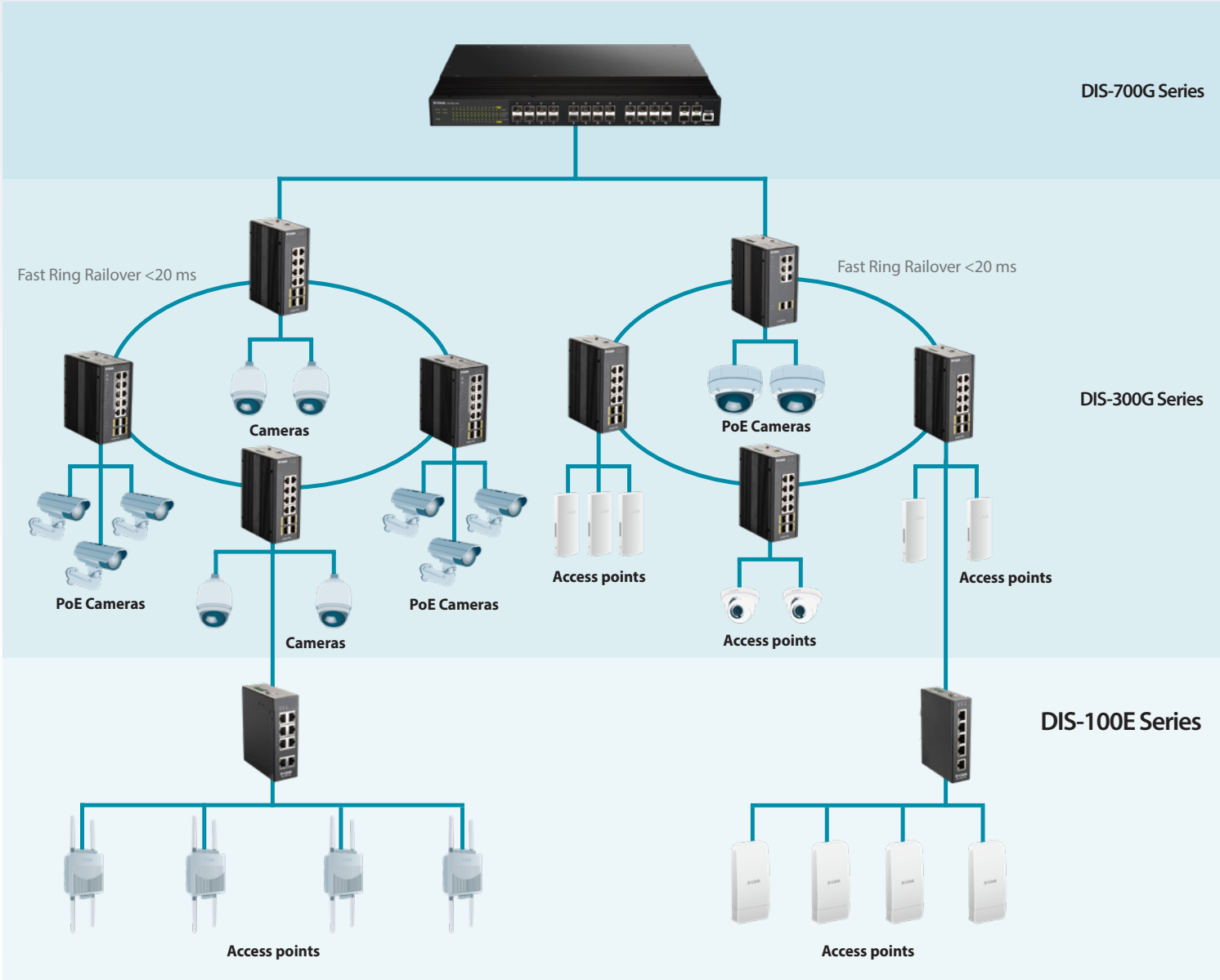
- Challenging environmental conditions
- High ambient temperatures

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	30W 24VDC Ultra Slim DIN Rail PSU • 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	60W 24VDC Ultra Slim DIN Rail PSU • 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	240W 48VDC DIN Rail PSU • Input: 90 ~ 264VAC • Output: 48 ~ 55V DC • Din rail TS-35/7.5 or 15 mountable • -20~70°C operating temperature
DIS-N480-48	480W 48VDC DIN Rail PSU • 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

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