

D-Link DIS Series Industrial Gigabit Switches

Industrial Endurance — Robust. Rugged. Reliable.
Flexible.

Overview

The DIS Series Industrial Gigabit Switches consists of the Unmanaged DIS-100G Series and the L2 Smart Managed DIS-200G Series. Both series are available in a combination of PoE, non-PoE Ethernet access ports, and SFP ports. Built from the ground up for reliability and durability, the DIS Series Industrial Gigabit Switches offer a complete solution for demanding indoor and outdoor industrial network applications, including but not limited to factory automation and Intelligent Transportation Systems (ITS).

Figure 1. D-Link DIS Series Industrial Gigabit Switches



Robust

All PoE and non-PoE Ethernet access ports on the DIS Series feature embedded 2 kV (DIS-100G Series) or 6 kV (DIS-200G Series) surge protection. This helps protect the switches against sudden electrical surges caused by events such as lightning strikes or unstable electrical current. Built-in surge protection significantly reduces the chances of equipment being damaged by electrical surges and effectively lowers maintenance costs by minimizing the need for expensive equipment repairs or replacement.



In addition, D-Link offers the DPE-SP110 outdoor and DPE-SP110I indoor PoE surge protectors that provide a maximum discharge current of 10 kA. Use of these PoE surge protectors give the switches 20 kV Common Mode (Line-to-Ground) Protection and 10 kV Differential Mode (Line-to-Line) Protection for enhanced reliability.

Rugged

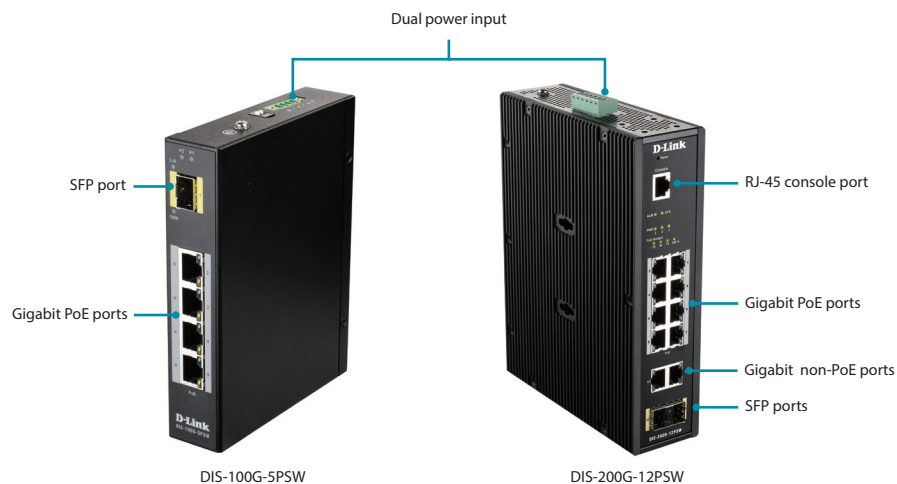


To accommodate outdoor deployments, all DIS Series switches are housed in a highly durable, industrial-grade enclosure with IP30 ingress protection. Its fanless, energy-efficient design, and robust housing enable operation in harsh environments with wide operating temperatures. For optimal reliability, the DIS Series provides cold start capability in environments with temperatures as low as -40 °C with full-load operation at up to 75 °C.

D-Link designed the DIS Series with hardened components to reliably withstand harsh environments with high electromagnetic interference (EMI) that would damage ordinary enterprise devices.

DIS Series Port Combinations					
Model	DIS-100G-5W	DIS-100G-5SW	DIS-100G-5PSW	DIS-200G-12S DIS-200G-12SW	DIS-200G-12PS DIS-200G-12PSW
Ports	5 x Gigabit RJ-45	4 x Gigabit RJ-45 1 x SFP	4 x Gigabit PoE RJ-45 1 x SFP	10 x Gigabit RJ-45 2 x SFP	8 x Gigabit PoE RJ-45 2 x Gigabit RJ-45 2 x SFP

Figure 2. D-Link DIS Series Industrial Gigabit Switches Interfaces



Reliable

All switches in the DIS Series support dual power inputs to provide power redundancy, ensuring the network keeps running in the event of a power failure. The DIS-200G Series features carrier-grade 50 ms Ethernet Ring Protection Switching (ERPS) recovery for high-speed metro Ethernet ring resilience. In addition, support for loopback detection and cable diagnostics for network troubleshooting and maintenance provide reliable network access for non-stop service.

Flexible

The DIS Series features several models that support IEEE 802.3at PoE+ to deliver up to 30 W of power per port to connected PoE devices with a total PoE power budget of 120 W (DIS-100G Series) or 240 W (DIS-200G Series). These models dynamically allocate power to connected PoE devices, such as IP phones, wireless access points, surveillance cameras, and other standard PoE devices efficiently with lower deployment cost. The DIS-200G Series furthermore supports Auto-Surveillance VLAN 2.0 (ASV 2.0) which automatically segments and prioritizes surveillance data, further simplifying the deployment of IP surveillance infrastructure when combined with PoE.



DIS Series Comparison		
Model Series	DIS-100G Series	DIS-200G Series
Product Image		
Models	- DIS-100G-5W - DIS-100G-5SW - DIS-100G-5PSW (PoE)	- DIS-200G-12S - DIS-200G-12SW - DIS-200G-12PS (PoE) - DIS-200G-12PSW (PoE)
Description	5-port Unmanaged Switches	12-port L2 Smart Managed Switches
Operating Temperature	-40 ~ 75 °C	-40 ~ 75 °C
Housing	IP30-rated enclosure	IP30-rated enclosure
Mounting Options	- DIN-rail - Wall	- DIN-rail - Wall - Rack
Power Input Range	12 ~ 58 V DC (non-PoE) 48 ~ 58 V DC (PoE)	12 ~ 48 V DC (non-PoE) 48 V DC (PoE)
Max PoE Power Budget	120 W	240 W
Management Options	N/A	- DNA (D-Link Network Assistant) - Web user interface - Command line interface (CLI)
MTBF	> 25 years	> 23 years

D-Link Has Got You Covered

D-Link is dedicated to setting new standards with our industry-leading business-class networking, wireless, surveillance and security solutions. In fact, we're so confident in the reliability of our products, we offer warranties that truly demonstrate our commitment – giving you full assurance that we stand behind every product, every time. And in the event that a warranty service or repair is needed, D-Link's **Advance Replacement** program is designed to reduce downtime throughout the life of the product.



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