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-F100G** Series, the Layer 2 Smart Managed **DIS-F200G** Series, and the Layer 2+ Managed **DIS-300G** Series. These Switches 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).

DIS-F100G Series
Gigabit Industrial Unmanaged
PoE+ Switches

DIS-F200G Series
Layer 2 Gigabit Industrial
Smart Managed PoE+ Switches

DIS-300G Series
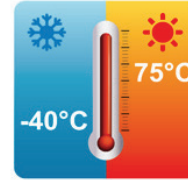Layer 2+ Gigabit Industrial
Managed PoE+ Switches

Robust

All RJ-45 Ethernet access ports on the DIS-F100G and DIS-F200G Series feature embedded **6 kV surge protection**. This helps protect the switches against sudden electrical surges caused 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 management costs by minimising the need for expensive equipment repairs or replacement.

Rugged

To accommodate outdoor deployments, all DIS Series Switches are housed in a highly durable, industrial-grade enclosure with IP40 (DIS-F100G and DIS-F200G Series) and IP30 (DIS-300G Series) 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 Configurations

UNMANAGED	DIS-F100G-6PS-E	DIS-F100G-10PS-E			
MANAGED	DIS-F200G-6PS-E	DIS-F200G-10PS-E	DIS-300G-8PSW	DIS-300G-12SW	DIS-300G-14PSW
RJ-45 Gigabit PoE/PoE+ Ports	4	8	4	-	8
RJ-45 Gigabit Non-PoE Ports	-	-	2	8	2
SFP Ports	2	2	2	4	4
PoE Budget*	120 W	240 W	120 W	-	240 W

* The actual available PoE budget depends on the power supply connected to the Switch.

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-F200G Series and the DIS-300G Series feature carrier-grade Ring Protection Technology with 10-20 ms 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.

Dual Power Input

RJ-45 Console Port

SFP Ports

Gigabit PoE Ports

RJ-45 Console Port

Gigabit PoE Ports

Gigabit Non-PoE Ports

SFP Ports

DIS-F200G-10PS-E   DIS-300G-14PSW

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 or 240 W. 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-F100G and DIS-F200G Series furthermore offer Long Reach PoE technology, allowing the use of longer network cable runs which are normally limited to 100m. The Long Reach PoE technology supports cables up to 250m long.[1]

MODEL SERIES	DIS-F100G SERIES	DIS-F200G SERIES	DIS-300G SERIES
Models	DIS-F100G-6PS-E DIS-F100G-10PS-E	DIS-F200G-6PS-E DIS-F200G-10PS-E	DIS-300G-8PSW DIS-300G-12SW (non-PoE) DIS-300G-14PSW
Description	Unmanaged	L2 Smart Managed	L2+ Managed
Operating Temperature	-40 to 75℃	-40 to 75℃	-40 to 75℃
Environmental Tests	Shock - IEC 60068-2-27 Freefall - IEC 60068-2-32 Vibration - IEC 60068-2-6	Shock - IEC 60068-2-27 Freefall - IEC 60068-2-32 Vibration - IEC 60068-2-6	Shock - IEC 60068-2-27 Freefall - IEC 60068-2-32 Vibration - IEC 60068-2-6
Surge Protection	6kV	6kV	6kV
Metal Housing	IP40 rated	IP40 rated	IP30 rated
Mounting	DIN-Rail	DIN-Rail	DIN-Rail, Wall
Power Input Range	48 – 56 V DC	48 – 56 V DC	12 – 58 V DC (non-PoE) 48 – 58 V DC (PoE)
PoE Budget*	120 W (DIS-F100G-6PS-E) 240 W (DIS-F100G-10PS-E)	120 W (DIS-F200G-6PS-E) 240 W (DIS-F200G-10PS-E)	120 W (DIS-300G-8PSW) 240 W (DIS-300G-14PSW)
Management Options	-	Web GUI, CLI, SNMP	Web GUI, CLI, SNMP
Optional Power Supply (DIN-Rail Mountable)	DIS-N240-48 (DIS-F100G-6PS-E) DIS-N480-48 (DIS-F100G-10PS-E)	DIS-N240-48 (DIS-F200G-6PS-E) DIS-N480-48 (DIS-F200G-10PS-E)	DIS-N240-48 (DIS-300G-8PSW) DIS-N75-48 (DIS-300G-12SW) DIS-N480-48 (DIS-300G-14PSW)
Optional Industrial Fibre Transceivers	DIS-S301SX - Industrial SFP 1000BASE-SX, multi-mode, 550 m, -40 to 85 ℃ operating temperature DIS-S310LX - Industrial SFP 1000BASE-LX, single-mode, 10 km, -40 to 85 ℃ operating temperature		

* The actual available PoE budget depends on the power supply connected to the Switch.
[1] Long Reach PoE mode switches port speed to 10 Mbps. Requires cables Cat5e or better.

POWER SUPPLIES FOR INDUSTRIAL SWITCHES		DIS-N480-48	DIS-N240-48	DIS-N75-48
Switch Model	**Switch Voltage**	**48-55 V DC 480W DIN Rail**	**48-55 V DC 240W DIN Rail**	**48-55 V DC 75W DIN Rail**
DIS-M100G-SW	12 to 48 V DC 4W			✔
DIS-F100G-6PS-E	48 to 56 V DC 126W		✔	
DIS-F100G-10PS-E	48 to 56 V DC 246W	✔		
DIS-F200G-6PS-E	48 to 56 V DC 126W		✔	
DIS-F200G-10PS-E	48 to 56 V DC 246W	✔		
DIS-300G-8PSW	54 to 58 V DC 145W		✔	
DIS-300G-12SW	12 to 58 V DC 17W			✔
DIS-300G-14PSW	54 to 58 V DC 265W	✔		

The D-Link Difference

D-Link, a global leader since 1986, has the expertise, resources, and experience to support your business growth. At D-Link, we are proud to set industry standards with our exceptional Business Class Networking, Wireless, Switching, Surveillance, Security, 4G, 5G, and Cloud Management Solutions. We offer Professional Services and Support Options to ensure your complete peace of mind, knowing that we are here to support you every step of the way.

For more information, please contact us on **marketing@eos.com.au** or visit **www.eos.com.au**

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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