BUSINESS SWITCHING

2023 PoE Switch Quick Reference Guide

PoE

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POWER UP WITH D-LINK's POE SOLUTIONS

With D-Link PoE switches, you can take advantage of the latest advancements in PoE technology to power and manage a wide range of devices and unlock new opportunities for innovation within your business. Whether you're looking to improve your network infrastructure, streamline installation and maintenance processes, or simply take advantage of the convenience, flexibility and cost savings that PoE offers, D-Link has the PoE switch to meet your unique connectivity needs.

We've created a PoE Switch Quick Reference Guide that highlights the key features of each product. Browse our selection of PoE solutions today and discover how D-Link can help you achieve your connectivity goals.

THE BENEFITS AND ADVANCEMENTS OF POWER OVER ETHERNET (PoE) SWITCHES

Power over Ethernet (PoE) switches are a revolutionary technology that enable devices to be powered and network-connected over a single Ethernet cable. This eliminates the need for separate power cables and allows for devices such as wireless access points, IP cameras, VoIP phones, PoE LED lighting, PoE speakers, and IoT devices to be deployed anywhere within your network infrastructure, regardless of the availability of power outlets.

PoE switches offer a convenient and cost-effective solution for businesses and organisations of all sizes, as they eliminate the need for additional electrical infrastructure and can simplify installation and maintenance processes. PoE switches can support various power levels and data rates, allowing for more flexibility in device deployment and management. Additionally, PoE technology is rapidly advancing, with new standards and features being introduced to support higher power levels, faster data rates, and more advanced device management.

IEEE 802.3af (PoE)	IEEE 802.3at (PoE+)	IEEE 802.3bt (PoE++)
Type 1	Type 2	Type 3 and 4
The original PoE standard, also known as IEEE 802.3af, delivers up to 15.4 watts of power per ethernet port and can transmit power and data up to 100 metres from the switch. Devices that can be powered by Type 1 PoE include IP phones, wireless access points, and security cameras.	PoE+ effectively doubles the PoE power to the device providing 30w of power to the Ethernet port to be sent= 25.5 watts of delivered power per port at 100 metres from the switch. Device examples include video phones, Wi-Fi 6 access points, thin clients, point-of-sale systems and Pan tilt cameras.	PoE++ (bt) now effectively doubles the PoE+ power to the device by providing 60W (Type 3) or 90W (Type 4) of power. Device examples include high performance Wi-Fi 6/7 access points, LED lighting, audio speakers, remote computer terminals and thin clients.

D-Link's PoE Switch Range

Unmanaged PoE Switches

D-Link Unmanaged PoE switches provide easy plug-and-play connectivity with no configuration required. Our **DGS-10xx/ DES10xx** series ranges from 5 to 26 ports with a power budget of up to 370W, perfect for small businesses and home networks. *No management interface available

Smart Managed PoE Switches

D-Link Smart switches offer PoE options with ports ranging from 5 to 52 and power budgets of up to 370W (740W with an optional DPS-700 redundant power supply). These switches are ideal for high-performance networks that require PoE flexibility, robust management capabilities, VLAN support, and QoS prioritisation. PoE support enables powering of various devices over Ethernet, such as wireless access points, cameras, phones, IoT, LED lighting, speakers, medical equipment, laptops, tablets, digital signage, TVs, and AV devices. D-Link Smart switches are a reliable and cost-effective solution. for managing many network devices in indoor and outdoor locations like offices, hotels, hospitals, warehouses, and homes. The Smart Switch Family Series includes a variety of switches to fit your specific needs.

DGS-1100 v2 Series switches offer a simplified web-based interface for easy network management and configuration.

DGS-1210/DGS-1250 Series, our best-selling switches, introduce both layer 3 features and SFP ports for fiber cabling.

DGS-1510/DGS-1520 Series introduce 10G fiber and 'stacking' which allows many switches to combine together into one.

D-Link's PoE Switch Range

Long Range PoE Switches and Extender

The **DSS-100E-9P** and **DPE-302GE** are versatile PoE solutions to allow devices to be connected and powered over longer distances. DSS-100E-9P can connect and power PoE devices up to 250m away, while the DPE-302GE, in a daisy chain configuration of up to 5 units, can connect devices up to an incredible 500m distance. The DSS-100-9P offers 8 PoE+ ports with up to 92W of PoE power budget. Furthermore, both DSS-100E-9P and DPE-302GE have built-in surge protection, which prevents damage to your surveillance network in the event of a lightning strike.

Nuclias Cloud Managed PoE Switches

D-Link Nuclias Cloud-Managed Switches are pre-configured and managed through the cloud web interface or app. These Layer 2 switches support up to 10 Gbps, 370W PoE power budget, 6 kV surge protection, and automatic Voice VLAN. With 10 to 52 ports, they can power and connect access points, cameras, VoIP phones, and more. Enjoy cost-effective cloud management, rapid deployment, and unlimited scalability with Nuclias Cloud-Managed Switches for optimised network infrastructure.

D-Link's PoE Switch Range

Industrial Hardened Gigabit PoE Switches

D-Link's industrial switches offer reliable and high-performance network connectivity in challenging environments. The Series has a rugged IP30-rated metal casing, wide temperature range operation, and high electromagnetic compatibility. With built-in 6 kV surge protection on all copper ports, it can withstand sudden power surges and lightning strikes.

DIS-100G-5PSW provides easy plug-and-play connectivity with up to 5 ports supporting 30W per port and a total PoE power budget of 120W.

DIS-200G and DIS-300G Series offers a Smart L2 managed solution with 12 ports supporting up to 30W per port and a total PoE power budget of 240W. It includes advanced features such as VLAN support, QoS, and IGMP snooping, making it ideal for more complex networking applications.

Fully Managed L3 PoE Switches

D-Link's Fully Managed L3 PoE Switches provide advanced features for businesses, ISPs, and enterprises that require high-performance networks with PoE flexibility and robust management capabilities. **DGS-3130xx, DGS-3630xx series and DMS-3130-30PS** switches offer Layer 3 capabilities, allowing for advanced routing and traffic management, while supporting VLANs, QoS prioritisation, and advanced security features such as Multi-layer and Packet Content Access Control Lists, Storm Control, and IP-MAC-Port Binding. These switches have ports ranging from 30 to 54, with power budgets of up to 370W (740W with the DPS-700 power redundancy supply) and for the DMS-3130-30PS (960W with two power redundancy supply) The option for redundant power supplies and switch stacking feature provides high availability and flexibility, while the management options include a variety of industry-standard CLI, web GUI, and SNMP.

Unmanaged PoE Switches

	Switch Type	Total Ports	Ports of PoE	Port Features		Max. Power per Port	Total PoE Power Budget
				No.	Type		
DGS-1005P	Gigabit Unmanaged	5	4	1 - 4	10/100/1000 PoE	30W	60W
				5	10/100/1000	---	
DES-1008PA	10/100 Unmanaged	8	4	1 - 4	10/100 PoE	15.4W	52W
				5 - 8	10/100	---	
DES-1005P	10/100 Unmanaged	5	4	1 - 4	10/100 PoE	30W	60W
				5	10/100	---	
DGS-1008P	Gigabit Unmanaged	8	4	1 - 4	10/100/1000 PoE	30W	68W
				5 - 8	10/100/1000	---	
DGS-1008MP	Gigabit Unmanaged	8	8	1 - 8	10/100/1000 PoE	30W	125W
DGS-1026MP	Gigabit Unmanaged	26	24	1 - 24	10/100/1000 PoE	30W	370W
				25 - 26	10/100/1000 or SFP	---	

Unmanaged Long Range PoE Switch

	Switch Type	Total Ports	Ports of PoE	Port Features		Max. Power per Port	Total PoE Power Budget
				No.	Type		
DSS-100E-9E	10/100 Unmanaged	9	8	1 - 8	10/100 PoE	30W	92W
				9	10/100/1000	---	

Smart Managed L2 PoE Switches

	Switch Type	Total Ports	Ports of PoE	Port Features		Max. Power per Port	Total PoE Power Budget
				No.	Type		
DES-1210-28P	10/100 Smart L2	28	24	1 - 4	10/100 PoE	30W	193W
				5-24	10/100 PoE	15.4W	
				25-26	10/100/1000	---	
				27-28	10/100/1000 or SFP	---	
DGS-1100-05PDV2	Gigabit Smart L2	5	2	1 - 2	10/100/1000 PoE	15.4W	18W w/802.3at 8W w/802.3af
				3 - 4	10/100/1000	---	
				5	10/100/1000 (PD)	---	
DGS-1100-08PV2	Gigabit Smart L2	8	8	1 - 8	10/100/1000 PoE	30W	64W
DGS-1100-10MPV2	Gigabit Smart L2	10	8	1 - 8	100/1000 PoE	30W	130W
				9 - 10	Gigabit SFP	---	
DGS-1100-24PV2	Gigabit Smart L2	24	12	1 - 12	10/100/1000 PoE	30.0W	100W
				13 - 24	10/100/1000	---	
DGS-1100-26MPV2	Gigabit Smart L2	26	24	1 -24	100/1000 PoE	30W	370W
				25 - 26	10/100/1000 or SFP	---	
DMS-1100-10TP	Multi-Gigabit Smart L2	10	8	1 - 8	100/1000/2.5G PoE	30W	240W
				9 - 10	10GbE SFP+	---	

Smart Managed L2/L3 PoE Switches

	Switch Type	Total Ports	Ports of PoE	Port Features		Max. Power per Port	Total PoE Power Budget
				No.	Type		
DGS-1210-08P	Gigabit Smart L3 Lite	10	8	1 - 8	10/100/1000 PoE	30.0W	65W
				9 - 10	Gigabit SFP	---	
DGS-1210-10P	Gigabit Smart L3 Lite	10	8	1 - 8	10/100/1000 PoE	30.0W	65W
				9 - 10	Gigabit SFP	---	
DGS-1210-10MP	Gigabit Smart L3 Lite	10	8	1 - 8	10/100/1000 PoE	30.0W	130W
				9 - 10	Gigabit SFP	---	
DGS-1210-24P	Gigabit Smart L3 Lite	28	24	1 - 24	10/100/1000 PoE	30.0W	193W
				25 - 28	10/100/1000 or SFP	---	
DGS-1210-28P	Gigabit Smart L3 Lite	28	24	1 - 24	10/100/1000 PoE	30.0W	193W
				25 - 28	10/100/1000 or SFP	---	
DGS-1210-28MP	Gigabit Smart L3 Lite	28	24	1 - 24	10/100/1000 PoE	30.0W	370W
				25 - 28	10/100/1000 or SFP	---	
DGS-1210-52MP	Gigabit Smart L3 Lite	52	48	1 - 48	10/100/1000 PoE	30.0W	370W
				49 - 52	10/100/1000 or SFP	---	
DGS-1250-28XMP	Gigabit Smart L3 Lite	28	24	1 - 24	10/100/1000 PoE	30W	370W
				25 - 28	10G SFP+	---	
DGS-1250-52XMP	Gigabit Smart L3 Lite	52	48	1 - 48	10/100/1000 PoE	30W	370W
				49 - 52	10G SFP+	---	
DGS-1510-28P Stackable	Gigabit Smart L3 Lite	28	24	1 - 24	10/100/1000 PoE	30W	193W
				25 - 26	Gigabit SFP	---	
				27 - 28	10G SFP+	---	
DGS-1510-28XMP Stackable	Gigabit Smart L3 Lite	28	24	1 - 24	10/100/1000 PoE	30W	370W
				25 - 28	10G SFP+	---	
DGS-1510-52XMP Stackable	Gigabit Smart L3 Lite	52	48	1 - 48	10/100/1000 PoE	30W	370W [1]
				49 - 52	10G SFP+	---	
DGS-1520-28MP Stackable	Gigabit Smart L3	28	24	1 - 20	10/100/1000 PoE	30W	370W [1]
				21 - 24	100/1000/2.5G PoE	30W	
				25 - 26	10GBASE-T	---	
				27 - 28	10G SFP+	---	
DGS-1520-52MP Stackable	Gigabit Smart L3	52	48	1 - 44	10/100/1000 PoE	30W	370W [1]
				45 - 48	100/1000/2.5G PoE	30W	
				49 - 50	10GBASE-T	---	
				51 - 52	10G SFP+	---	

Nuclias Cloud Managed L2 PoE Switches

	Switch Type	Total Ports	Ports of PoE	Port Features		Max. Power per Port	Total PoE Power Budget
				No.	Type		
DBS-2000-10MP	Nuclias Cloud Managed L2	10	8	1 - 8	10/100/1000 PoE	30.0W	130W
				9 - 10	Gigabit SFP	---	
DBS-2000-28P	Nuclias Cloud Managed L2	28	24	1 - 24	10/100/1000 PoE	30.0W	193W
				25 - 28	10/100/1000 or SFP	---	
DBS-2000-28MP	Nuclias Cloud Managed L2	28	24	1 - 24	10/100/1000 PoE	30.0W	370W
				25 - 28	10/100/1000 or SFP	---	
DBS-2000-52MP	Nuclias Cloud Managed L2	52	48	1 - 48	10/100/1000 PoE	30.0W	370W
				49 - 52	10/100/1000 or SFP	---	

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Managed PoE Switches

Managed PoE Switches	Switch Type	Total Ports	Ports of PoE	Port Features No.	Type	Max. Power per Port	Total PoE Power Budget
DGS-1210-10P/ME	Gigabit Managed L3 Lite	10	8	1 - 8	10/100/1000 PoE	30W	78W
				9 - 10	100/1000 Mbps SFP ports	---	

DGS-1210-28P/ME	Gigabit Managed L3 Lite	28	24	1 - 24	10/100/1000 PoE	30W	193W
				25 - 28	100/1000 Mbps SFP ports	---	

DGS-1210-52MP/ME	Gigabit Managed L3 Lite	52	48	1 - 8	10/100/1000 PoE	30W	370W
				9 - 48	10/100/1000 PoE	15.4W	
				48-52	100/1000 Mbps SFP ports	---	
DMS-3130-30PS Stackable	Multi-Gigabit Managed L3	30	24	1 - 16	100/1000/2.5G PoE	30W	960W w/two PSU 740W w/one PSU
				17 - 24	100/1000/2.5G/5G PoE	60W	
				25 - 26	10GBASE-T	---	
				27 - 30	10G/25G SFP28	---	
DGS-3130-30PS Stackable	Gigabit Managed L3	30	24	1 - 24	10/100/1000 PoE	30W	370W [1]
				25 - 26	10GBASE-T	---	
				27 - 30	10G SFP+	---	
DGS-3130-54PS Stackable	Gigabit Managed L3	54	48	1 - 48	10/100/1000 PoE	30W	370W [1]
				49 - 50	10GBASE-T	---	
				51 - 54	10G SFP+	---	
DGS-3630-28PC Stackable	Gigabit Managed L3	28	24	1 - 20	10/100/1000 PoE	30W	370W [1]
				21 - 24	10/100/1000 PoE or SFP	30W	
				25 - 28	10G SFP+	---	
DGS-3630-52PC Stackable	Gigabit Managed L3	52	48	1 - 44	10/100/1000 PoE	30W	370W [1]
				45 - 48	10/100/1000 PoE or SFP	30W	
				49 - 52	10G SFP+	---	

[1] PoE budget may be increased to 740W with optional DPS-700 redundant power supply.

Industrial Hardened Gigabit PoE Switches

		Switch Type	Total Ports	Ports of PoE	Port Features		Max. Power per Port	Total PoE Power Budget
					No.	Type		
DIS-100G-5PSW		Gigabit Unmanaged	5	4	1	Gigabit SFP	---	120W
					2 - 5	10/100/1000 PoE	30W	
DIS-200G-12PS		Gigabit Smart L2	12	8	1 - 8	10/100/1000 PoE	30W	240W
					9 - 10	10/100/1000	---	
					11 - 12	Gigabit SFP	---	
DIS-300G-8PSW		Managed L3	8	4	1 - 4	10/100/1000 PoE	30W	120W
					5 - 6	10/100/1000	---	
					7 - 8	Gigabit SFP	---	
DIS-300G-14PSW		Managed L3	14	8	1 - 2	10/100/1000 PoE	60W	240W
					3 - 8	10/100/1000 PoE	30W	
					9-10	10/100/1000	---	
					11 - 14	Gigabit SFP	---	

PoE Accessories

		Description
DPS-700		Redundant Power Supply; doubles PoE power budget on select switches
DPE-101GI		1-Port gigabit PoE Injector; IEEE 802.3af
DPE-301GI		1-Port gigabit PoE Injector; IEEE 802.3at
DPE-301GS		1-Port PoE Splitter; supports 5VDC, 9VDC & 12VDC output
DPE-302GE		2-Port PoE Extender, up to 100m per extender and up to 500m with 5 units [2]

[2] Up to 500m extension requires 802.11at PSE source

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