

D-Link DGS 1520-52 - Switch - L3

smart - 48 x 10/100/1000 + 2 x 10 Gigabit Ethernet + 2 x 10 Gigabit SFP+ - rack-mountable

Group	Network Equipment
Manufacturer	D-Link
Manufacturer item no.	DGS-1520-52/E
EAN/UPC	0790069472039



Description

The DGS-1520 Series, a new generation of Lite Layer 3 Stackable Smart Managed Switches, includes four 10 GB ports for uplink or stacking up to a total of eight switches with a total of 80 Gigabit stacking bandwidth. Designed for effortless multi-site network deployments with Zero Touch Provisioning, the DGS-1520 Series is also powerful enough for server and storage applications.

Main features

Product Description	D-Link DGS 1520-52 - switch - 52 ports - smart - rack-mountable
Device Type	Switch - 52 ports - L3 - smart - stackable
Enclosure Type	Rack-mountable 1U
Subtype	Gigabit Ethernet
Ports	48 x 10/100/1000 + 2 x 10 Gigabit Ethernet + 2 x 10 Gigabit SFP+
Performance	Switching capacity: 176 Gbps Forwarding performance: 130.95 Mpps Stacking bandwidth: 80 Gbps
Capacity	IGMP groups: 512 MLD groups: 256 VLAN groups: 4000 Static ARP entries: 256
MAC Address Table Size	16384 entries
Jumbo Frame Support	12288 bytes
Routing Protocol	OSPF, RIP-1, RIP-2, IGMPv2, IGMP, DVMRP, PIM-SM, static IP routing, PIM-DM, IGMPv3, PIM-SSM, ECMP, policy-based routing (PBR), RIPng, MLDv2, MLD
Remote Management Protocol	SNMP 1, RMON 1, RMON 2, RMON 3, RMON 9, SNMP 3, SNMP 2c
Features	IGMP snooping, port mirroring, store and forward, Weighted Random Early Detection (WRED), Spanning Tree Protocol (STP) support, Virtual Route Redundancy Protocol (VRRP) support, Multiple Spanning Tree Protocol (MSTP) support, Quality of Service (QoS), Remote Switch Port Analyzer (RSPAN), Class of Service (CoS), Generic VLAN Registration Protocol (GVRP), Denial of Service (DoS), Ethernet Ring Protection Switching (ERPS), Bridge protocol data unit (BPDU), Link Aggregation, Open Shortest Path First (OSPF), Root Guard, Loop Guard, Ethernet Ring Protection Switching (ERPS) v2, flow mirroring, VLAN mirroring, Weighted Deficit Round Robin (WDRR), Voice VLAN, Private VLAN, Zero-touch provisioning (ZTP), Energy-Efficient Ethernet (EEE), BPDU Filter, Weighted Round Robin (WRR), loopback detection, Network Timing Protocol (NTP) 3, Network Timing Protocol (NTP) 4, D-Link Discovery Protocol (DDP), Rapid Reconfiguration of Spanning Tree (RSTP), VLAN trunking, DNA support, Media Dependent Interface (MDI), Media Dependent Interface Crossover (MDI-X)
Compliant Standards	IEEE 802.3, IEEE 802.3u, IEEE 802.3z, IEEE 802.1D, IEEE 802.1Q, IEEE 802.3ab, IEEE 802.1p, IEEE 802.3x, IEEE 802.3ad (LACP), IEEE 802.1w, IEEE 802.3ae, IEEE 802.1s, IEEE 802.1v, IEEE 802.3az, IEEE 802.1AX, IEEE 802.1Qbb

Power	AC 100-240 V
Dimensions (WxDxH)	44.1 cm x 20.74 cm x 4.4 cm
Weight	2.78 kg

Extended details

	General
Device Type	Switch - 52 ports - L3 - smart - stackable
Enclosure Type	Rack-mountable 1U
Subtype	Gigabit Ethernet
Ports	48 x 10/100/1000 + 2 x 10 Gigabit Ethernet + 2 x 10 Gigabit SFP+
Performance	Switching capacity: 176 Gbps Forwarding performance: 130.95 Mpps Stacking bandwidth: 80 Gbps
Capacity	IGMP groups: 512 MLD groups: 256 VLAN groups: 4000 Static ARP entries: 256
MAC Address Table Size	16384 entries
Jumbo Frame Support	12288 bytes
Max Units In A Stack	8
Routing Protocol	OSPF, RIP-1, RIP-2, IGMPv2, IGMP, DVMRP, PIM-SM, static IP routing, PIM-DM, IGMPv3, PIM-SSM, ECMP, policy-based routing (PBR), RIPng, MLDv2, MLD
Remote Management Protocol	SNMP 1, RMON 1, RMON 2, RMON 3, RMON 9, SNMP 3, SNMP 2c
Encryption Algorithm	SSL, TLS 1.0, TLS 1.1, TLS 1.2
Authentication Method	RADIUS, TACACS+, Secure Shell v.2 (SSH2)
Features	IGMP snooping, port mirroring, store and forward, Weighted Random Early Detection (WRED), Spanning Tree Protocol (STP) support, Virtual Route Redundancy Protocol (VRRP) support, Multiple Spanning Tree Protocol (MSTP) support, Quality of Service (QoS), Remote Switch Port Analyzer (RSPAN), Class of Service (CoS), Generic VLAN Registration Protocol (GVRP), Denial of Service (DoS), Ethernet Ring Protection Switching (ERPS), Bridge protocol data unit (BPDU), Link Aggregation, Open Shortest Path First (OSPF), Root Guard, Loop Guard, Ethernet Ring Protection Switching (ERPS) v2, flow mirroring, VLAN mirroring, Weighted Deficit Round Robin (WDRR), Voice VLAN, Private VLAN, Zero-touch provisioning (ZTP), Energy-Efficient Ethernet (EEE), BPDU Filter, Weighted Round Robin (WRR), loopback detection, Network Timing Protocol (NTP) 3, Network Timing Protocol (NTP) 4, D-Link Discovery Protocol (DDP), Rapid Reconfiguration of Spanning Tree (RSTP), VLAN trunking, DNA support, Media Dependent Interface (MDI), Media Dependent Interface Crossover (MDI-X)
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Status Indicators	Power, link/activity, fan, stack
	Expansion / Connectivity
Interfaces	48 x 1000Base-T RJ-45 2 x 10GBase-T RJ-45 2 x 10GBase-X SFP+
	Power
Power Device	Internal power supply
Voltage Required	AC 100-240 V
Power Consumption Operational	51.2 Watt
	Miscellaneous

MTBF	364888 hours
Compliant Standards	FCC Class A certified, IC Class A, BSMI Class A, VCCI Class A, RCM Class A
Dimensions & Weight	
Width	44.1 cm
Depth	20.74 cm
Height	4.4 cm
Weight	2.78 kg
Manufacturer Warranty	
Service & Support	Limited warranty - lifetime with product registration
Environmental Parameters	
Min Operating Temperature	-5 °C
Max Operating Temperature	50 °C
Humidity Range Operating	10 - 95% RH
Min Storage Temperature	-40 °C
Max Storage Temperature	70 °C
Humidity Range Storage	5 - 95% RH

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