

## D-Link DGS-1210-28P/ME/E verkkokytkin Hallittu L2/L3 Gigabit Ethernet (10/100/1000) Power over Ethernet -tuki 1U



**Tuotemerkki :** D-Link

**Tuotekoodi:** DGS-1210-28P/ME/E

**Tuotteen nimi :** DGS-1210-28P/ME/E

D-Link DGS-1210-28P/ME/E. Kytkin tyyppi: Hallittu, Kytinkerros: L2/L3. Peruskäytävä RJ-45 Ethernet-porttien tyyppi: Gigabit Ethernet (10/100/1000), Basic kytävä RJ-45 Ethernet-porttien määrä: 24, Asennettujen SFP moduulien määrä: 4, Console-portti: RJ-45. Täysin kaksipuolinen. MAC-osoitetaulukko: 16000 entries, Kytäväkapasiteetti: 56 Gbit/s. Verkkostandardit: IEEE 802.1D, IEEE 802.1Q, IEEE 802.1p, IEEE 802.1s, IEEE 802.1w, IEEE 802.1x, IEEE 802.3ab, IEEE.... Power over Ethernet -tuki. Kotelo: 1U

Management features		Security		
Switch type *	Managed	Security algorithms	EAP, SNMP, SNMPv2, SNMPv3	
Switch layer	L2/L3	SSH/SSL support	✓	
Quality of Service (QoS) support	✓	Loop protection	✓	
Web-based management	✓	BPDU filtering/protection	✓	
Traffic classification	✓	IP-MAC-Port binding	✓	
ARP inspection	✓	Password protection	✓	
Configuring Location Settings (CLI)	✓	Authentication type	AAA, RADIUS, TACACS+	
System event log	✓	Queue scheduling algorithms	Strict Priority Queue (SPQ), Weighted Round Robin (WRR)	
MIB support	<ul style="list-style-type: none"> <li>RFC1212 Concise MIB Definitions</li> <li>RFC1213 MIB II</li> <li>RFC1215 MIB Traps Convention</li> <li>RFC1065, 1151, 2578 MIB Structure</li> <li>RFC1493 Bridge MIB</li> <li>RFC1157, 2573, 2575, 2576 SNMP MIB</li> <li>RFC3418 SNMPv2 MIB</li> <li>RFC2819 RMON MIB</li> <li>RFC2021 RMONv2 MIB</li> <li>RFC1643, 1650, 2665 Ether-like MIB</li> <li>RFC2674 802.1p MIB</li> <li>RFC 2233 Interface Group MIB</li> <li>RFC 2618 RADIUS authentication client MIB</li> <li>RFC 2620 RADIUS accounting client MIB</li> <li>RFC3289 D-Link Zone Defense MIB</li> <li>RFC4022 MIB for TCP</li> <li>RFC4113 MIB for UDP</li> <li>PoE MIB</li> <li>DDP MIB</li> <li>LLDP-MED MIB</li> </ul>	<b>Multicast features</b> <ul style="list-style-type: none"> <li>Multicast support</li> <li>Multicast features</li> <li>Number of multicast groups filtered</li> <li>Multicast Listener Discovery (MLD) snooping</li> </ul>	<ul style="list-style-type: none"> <li>2578 MIB Structure</li> <li>RFC1493 Bridge MIB</li> <li>RFC1157, 2573, 2575, 2576 SNMP MIB</li> <li>RFC3418 SNMPv2 MIB</li> <li>RFC2819 RMON MIB</li> <li>RFC2021 RMONv2 MIB</li> <li>RFC1643, 1650, 2665 Ether-like MIB</li> <li>RFC2674 802.1p MIB</li> <li>RFC 2233 Interface Group MIB</li> <li>RFC 2618 RADIUS authentication client MIB</li> <li>RFC 2620 RADIUS accounting client MIB</li> <li>RFC3289 D-Link Zone Defense MIB</li> <li>RFC4022 MIB for TCP</li> <li>RFC4113 MIB for UDP</li> <li>PoE MIB</li> <li>DDP MIB</li> <li>LLDP-MED MIB</li> </ul>	<ul style="list-style-type: none"> <li>2578 MIB Structure</li> <li>RFC1493 Bridge MIB</li> <li>RFC1157, 2573, 2575, 2576 SNMP MIB</li> <li>RFC3418 SNMPv2 MIB</li> <li>RFC2819 RMON MIB</li> <li>RFC2021 RMONv2 MIB</li> <li>RFC1643, 1650, 2665 Ether-like MIB</li> <li>RFC2674 802.1p MIB</li> <li>RFC 2233 Interface Group MIB</li> <li>RFC 2618 RADIUS authentication client MIB</li> <li>RFC 2620 RADIUS accounting client MIB</li> <li>RFC3289 D-Link Zone Defense MIB</li> <li>RFC4022 MIB for TCP</li> <li>RFC4113 MIB for UDP</li> <li>PoE MIB</li> <li>DDP MIB</li> <li>LLDP-MED MIB</li> </ul>
<b>Ports &amp; interfaces</b>		<b>Protocols</b>		
Basic switching RJ-45 Ethernet ports quantity *	24	GARP VLAN Registration Protocol (GVRP)	✓	
Basic switching RJ-45 Ethernet ports type *	Gigabit Ethernet (10/100/1000)	IPv4 & IPv6 features	Dual stack IPv4/IPv6, ICMPv6, IPv4/IPv6 access-control list (ACL), IPv6 Path MTU Discovery, IPv6 Telnet	
Installed SFP modules quantity *	4	<b>Design</b>		
Console port	RJ-45	Form factor	1U	
<b>Network</b>		LED indicators	Activity, Fan fail, Link, Power, Speed	
Networking standards *	IEEE 802.1D, IEEE 802.1Q, IEEE 802.1p, IEEE 802.1s, IEEE 802.1w, IEEE 802.1x, IEEE 802.3ab, IEEE 802.3ah, IEEE 802.3at, IEEE 802.3az, IEEE 802.3i, IEEE 802.3u, IEEE 802.3x, IEEE 802.3z	Number of fans	2 fan(s)	
Copper ethernet cabling technology	10BASE-T, 100BASE-TX, 1000BASE-T	<b>Performance</b>		
Cable types supported	Cat5, Cat5e	Memory type	DDR3-SDRAM	
Port mirroring	✓	Internal memory	256 MB	
Full duplex	✓	Flash memory	32 MB	
Half duplex	✓	Noise level	52.9 dB	
Flow control support	✓	Noise level	52.9 dB	
Link aggregation	✓	Fanless	✗	
		Mean time between failures (MTBF)	331669 h	
		<b>Power</b>		
		Power source *	AC	
		AC input voltage	100 - 240 V	
		AC input frequency	50/60 Hz	
		Input voltage	100 - 240 V	
		Power consumption (max)	251.5 W	
		Power protection features	Surge protection	

Network		Power over Ethernet (PoE)	
Broadcast storm control	✓	Power over Ethernet (PoE) *	✓
Auto MDI/MDI-X	✓	Power over Ethernet (PoE) ports quantity	24
Spanning tree protocol	✓	Total Power over Ethernet (PoE) budget	193 W
Ethernet LAN data rates	1000 Mbit/s	<b>Operational conditions</b>	
Auto-negotiation	✓	Operating temperature (T-T)	-5 - 50 °C
Active link detection	✓	Storage temperature (T-T)	-40 - 70 °C
IPv4 routes	64	Operating relative humidity (H-H)	10 - 90%
IPv6 routes	32	Storage relative humidity (H-H)	0 - 95%
VLAN support	✓	Heat dissipation	857.98 BTU/h
Virtual LAN features	MAC address-based VLAN, Port-based VLAN, Private VLAN, Protocol-based VLAN	<b>Weight &amp; dimensions</b>	
Number of VLANs	4094	Width	440 mm
<b>Optical fiber</b>		Depth	210 mm
Fiber ethernet cabling technology	1000BASE-X	Height	44 mm
<b>Data transmission</b>		Weight	3.34 kg
Switching capacity *	56 Gbit/s	<b>Sustainability</b>	
Forwarding rate	41.7 Mpps	Sustainability compliance	✓
MAC address table *	16000 entries	Sustainability certificates	UL ECOLOGO
Store-and-forward	✓	<b>Certificates</b>	
Number of queues	8	Compliance certificates	BSMI, CB, CCC, CE, Federal Communications Commission (FCC), Low Voltage Directive (LVD), VCCI
Static route	✓		
Number of static routes	96		
Number of IP interfaces	4		
Packet buffer memory	1.5 MB		
<b>Security</b>			
DHCP features	DHCP client, DHCP relay, DHCP server, DHCP snooping		
Access Control List (ACL)	✓		
Access Control List (ACL) rules	256		
Access Control List (ACL) ingress	256		
IGMP snooping	✓		



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