**D-Link**

# D-Link DGS-3130-54PS/E verkkokytkin Hallittu L3 Gigabit Ethernet (10/100/1000) Power over Ethernet -tuki Harmaa

**Tuotemerkki :** D-Link

**Tuotekoodi:** DGS-3130-54PS/E

**Tuotteen nimi :** DGS-3130-54PS/E

D-Link DGS-3130-54PS/E. Kytkin tyyppi: Hallittu, Kytkinkerros: L3. Peruskytkentä RJ-45 Ethernet-porttien tyyppi: Gigabit Ethernet (10/100/1000), Basic kytkentä RJ-45 Ethernet-porttien määrä: 48, USB 2.0 - porttien määrä: 1, Console-portti: RJ-45. MAC-osoitetaulukko: 16384 entries, Kytkentäkapasiteetti: 216 Gbit/s. Verkkostandardit: IEEE 802.1D, IEEE 802.1Q, IEEE 802.1p, IEEE 802.1s, IEEE 802.1v, IEEE 802.1w, IEEE 802.1x, IEEE.... Virtaliitin: AC-in-liitin. Power over Ethernet -tuki. Telineasennus

## Management features

| | |
|---|---|
| Switch type * | Managed |
| Switch layer | L3 |
| Quality of Service (QoS) support | ✔ |
| Web-based management | ✔ |
| ARP inspection | ✔ |
| System event log | ✔ |
| MIB support | RFC 1213; RFC 4188; RFC 1157, 2571-2576; RFC 1907; RFC 1757, 2819; RFC 2021; RFC 1398, 1643, 1650, 2358, 2665; RFC 2674 802.1p 2233, 2863 IF MIB; RFC 2618; RFC 2620; RFC 2925; RFC 2674, 4363; RFC 1065, 1066, 1155, 1156, 2578; RFC 1215; RFC 1212; RFC 1215; RFC 1157, 2571-2576; RFC 4022; RFC 4113; RFC 4293; RFC 2737 |

## Ports & interfaces

| | |
|---|---|
| Basic switching RJ-45 Ethernet ports quantity * | 48 |
| Basic switching RJ-45 Ethernet ports type * | Gigabit Ethernet (10/100/1000) |
| SFP+ module slots quantity | 4 |
| Fiber optic connector | SFP+ |
| Console port | RJ-45 |
| USB 2.0 ports quantity | 1 |
| Power connector | AC-in jack |

## Network

| | |
|---|---|
| Networking standards * | IEEE 802.1D, IEEE 802.1Q, IEEE 802.1p, IEEE 802.1s, IEEE 802.1v, IEEE 802.1w, IEEE 802.1x, IEEE 802.3ad, IEEE 802.3af, IEEE 802.3ah, IEEE 802.3at, IEEE 802.3az, IEEE 802.3x |
| 10G support * | ✔ |
| Copper ethernet cabling technology | 10BASE-T, 10GBASE-T, 100BASE-TX, 1000BASE-T |
| Port mirroring | ✔ |
| Flow control support | ✔ |
| Link aggregation | ✔ |
| Broadcast storm control | ✔ |
| Spanning tree protocol | ✔ |
| Head-of-line (HOL) blocking | ✔ |
| VLAN support | ✔ |

## Security

| | |
|---|---|
| Loop protection | ✔ |
| BPDU filtering/protection | ✔ |
| Authentication | MAC-based authentication, Port-based authentication, Web-based authentication |
| Password protection | ✔ |
| Queue scheduling algorithms | Deficit weighted round robin (DWRR), SP, WRR+SP, Weighted Round Robin (WRR) |

## Multicast features

| | |
|---|---|
| Multicast support | ✔ |
| Multicast features | Controllable multicast |

## Protocols

| | |
|---|---|
| GARP VLAN Registration Protocol (GVRP) | ✔ |
| Routing protocols | RIP |

## Design

| | |
|---|---|
| Rack mounting * | ✔ |
| Stackable * | ✔ |
| Product colour | Grey |
| LED indicators | ✔ |
| Number of fans | 4 fan(s) |

## Performance

| | |
|---|---|
| Physical stacking (units) | 9 |
| Virtual stacking (units) | 32 |
| Noise level | 56 dB |
| Mean time between failures (MTBF) | 356876 h |

## Power

| | |
|---|---|
| Power source * | DC/PoE |
| Redundant power supply (RPS) support | ✔ |
| AC input voltage | 100 - 240 V |
| AC input frequency | 50 - 60 Hz |
| Power consumption (max) | 474.51 W |

## Power over Ethernet (PoE)

| | |
|---|---|
| Power over Ethernet (PoE) * | ✔ |
| Power over Ethernet plus (PoE+) ports quantity | 48 |
| Total Power over Ethernet (PoE) budget | 370 W |

## Network

| | |
|---|---|
| Virtual LAN features | MAC address-based VLAN, Port-based VLAN, Private VLAN, Tagged VLAN, Voice VLAN |
| Number of VLANs | 4000 |

## Data transmission

| | |
|---|---|
| Switching capacity * | 216 Gbit/s |
| Forwarding rate | 161 Mpps |
| MAC address table * | 16384 entries |
| Number of queues | 8 |
| Jumbo frames support | ✔ |
| Packet buffer memory | 2 MB |

## Security

| | |
|---|---|
| DHCP features | DHCP client, DHCP relay, DHCP server, DHCP snooping |
| Access Control List (ACL) | ✔ |
| Access Control List (ACL) egress | 512 |
| Access Control List (ACL) ingress | 2048 |
| IGMP snooping | ✔ |
| Security algorithms | SNMP, SNMPv3, SSH-2, SSL/TLS |
| SSH/SSL support | ✔ |

## Operational conditions

| | |
|---|---|
| Operating temperature (T-T) | 0 - 50 °C |
| Storage temperature (T-T) | -40 - 70 °C |
| Operating relative humidity (H-H) | 10 - 90% |
| Storage relative humidity (H-H) | 5 - 90% |
| Heat dissipation | 1619.03 BTU/h |

## Weight & dimensions

| | |
|---|---|
| Width | 440 mm |
| Depth | 430 mm |
| Height | 44 mm |
| Weight | 6.2 kg |

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