



## D-Link DGS-1520-52/E network switch Managed L3 10G Ethernet (100/1000/10000) 1U Black

**Brand :** D-Link

**Product code:** DGS-1520-52/E



**Product name :** DGS-1520-52/E

- Effortless deployment with Zero Touch Provisioning
- Multi-site management via Web GUI
- Perfect for SMB access & aggregation layers
- Quickly add 10 GB Ethernet upgrade to infrastructure
- Power over Ethernet and fiber options with various port combinations

Layer 3 Stackable Smart Managed Switch, 48x 10/100/1000 Base-T Ports, 2x 10G Base-T Ports, 2x 10G SFP+ Ports, 176 Gbps Switching Capacity

D-Link DGS-1520-52/E. Switch type: Managed, Switch layer: L3. Basic switching RJ-45 Ethernet ports type: 10G Ethernet (100/1000/10000), Basic switching RJ-45 Ethernet ports quantity: 50. MAC address table: 16384 entries, Switching capacity: 176 Gbit/s. Rack mounting, Form factor: 1U

| Management features                             |                               | Protocols                              |                         |
|-------------------------------------------------|-------------------------------|----------------------------------------|-------------------------|
| Switch type *                                   | Managed                       | GARP VLAN Registration Protocol (GVRP) | ✓                       |
| Switch layer                                    | L3                            | Routing protocols                      | OSPF, RIP, RIPvng, VRRP |
| Web-based management                            | ✓                             |                                        |                         |
| Ports & interfaces                              |                               | Design                                 |                         |
| Basic switching RJ-45 Ethernet ports quantity * | 50                            | Rack mounting *                        | ✓                       |
| Basic switching RJ-45 Ethernet ports type *     | 10G Ethernet (100/1000/10000) | Stackable *                            | ✓                       |
| Gigabit Ethernet (copper) ports quantity        | 48                            | Form factor                            | 1U                      |
| 10G Ethernet (copper) ports quantity            | 2                             | Product colour                         | Black                   |
| SFP+ module slots quantity                      | 2                             |                                        |                         |
| Fiber ports quantity                            | 2                             | Performance                            |                         |
| Fiber optic connector                           | SFP+                          | Physical stacking (units)              | 8                       |
|                                                 |                               | Virtual stacking (units)               | 32                      |
|                                                 |                               | Noise level                            | 56.8 dB                 |
|                                                 |                               | Mean time between failures (MTBF)      | 364888 h                |
| Network                                         |                               | Power                                  |                         |
| 10G support *                                   | ✓                             | Power source *                         | AC                      |
| Flow control support                            | ✓                             | Redundant power supply (RPS) support   | ✓                       |
| Link aggregation                                | ✓                             | AC input voltage                       | 100 - 240 V             |
| Auto MDI/MDI-X                                  | ✓                             | Power consumption (max)                | 51.2 W                  |
| Spanning tree protocol                          | ✓                             |                                        |                         |
| Head-of-line (HOL) blocking                     | ✓                             | Power over Ethernet (PoE)              |                         |
| VLAN support                                    | ✓                             | Power over Ethernet (PoE) *            | ✗                       |
| Data transmission                               |                               | Operational conditions                 |                         |
| Switching capacity *                            | 176 Gbit/s                    | Operating temperature (T-T)            | -5 - 50 °C              |
| Forwarding rate                                 | 130.95 Mpps                   | Storage temperature (T-T)              | -40 - 70 °C             |
| MAC address table *                             | 16384 entries                 | Operating relative humidity (H-H)      | 10 - 95%                |
| Store-and-forward                               | ✓                             | Storage relative humidity (H-H)        | 5 - 95%                 |
| Static route                                    | ✓                             | Heat dissipation                       | 174.6 BTU/h             |
| Jumbo frames support                            | ✓                             |                                        |                         |
| Jumbo frames                                    | 12288                         | Weight & dimensions                    |                         |
|                                                 |                               | Width                                  | 441 mm                  |
|                                                 |                               | Depth                                  | 207.4 mm                |
|                                                 |                               | Height                                 | 44 mm                   |
|                                                 |                               | Weight                                 | 2.78 kg                 |
| Security                                        |                               | Sustainability                         |                         |
| IGMP snooping                                   | ✓                             | Sustainability compliance              | ✓                       |
| Loop protection                                 | ✓                             |                                        |                         |
| BPDU filtering/protection                       | ✓                             |                                        |                         |

## Certificates

Compliance certificates

BSMI, CE, Federal Communications  
Commission (FCC)



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### Catalog Object Cloud



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