D-Link

DATA CENTER SWITCHES

DTS SERIES · 25G · 100G · 400G

The fast lane inside your data center.

Three compact D-Link switches move very large amounts of data between servers, storage and AI systems. They are fast, they keep running when a part fails, and they use open software.

HOW FAST IS FAST?

25 Gbps

Each server port moves about **3 GB every second**. That is a full HD film in under 2 seconds.

DTS-5000-56S · 48 PORTS

100 Gbps

Four times faster: about **12 GB every second** on one cable. Ideal to link racks together.

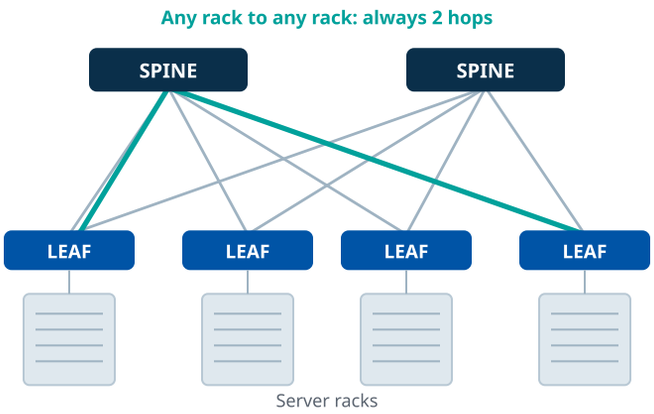
DTS-5100-32S · 32 PORTS

400 Gbps

About **50 GB every second** on one port, the speed that AI and GPU clusters need.

DTS-5400-32S · 32 PORTS

Per port, at full line rate. 8 bits = 1 byte; a full HD film is taken as 5 GB. Real speed depends on the servers, cabling and setup.



LEAF AND SPINE, MADE SIMPLE

Leaf switches are the local roads. Each one connects the servers in one rack.

Spine switches are the motorway. They join every leaf to every other leaf.

Data from any rack reaches any other rack in **two hops**. Traffic uses all the roads at the same time, so there are no jams. To grow, add another leaf or another spine.

Two power supplies

If one fails, the other carries the full load.

Spare cooling fans

One extra fan in every switch, for steady cooling.

Hot-swap parts

Change a power supply or fan with no downtime.

1U compact

One rack unit high. Fits a standard 19-inch rack.

Plan your data center network with us.

Our team helps you size the right fabric.

dlink-mea.com/contact

Scan to talk to a D-Link expert

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MEET THE DTS FAMILY

One family, from the server rack to the core

Start with one switch for a server room. Grow to a full leaf-and-spine fabric. All three models share the same software and the same features.



LEAF · TOP OF RACK

DTS-5000-56S

48 server ports at 25G and 8 fast uplinks at 100G. Connects every server and storage system in a rack to the rest of the network.

48 × 25G
+ 8 × 100G uplinks
2.0 Tbps capacity



SPINE · LEAF · AGGREGATION

DTS-5100-32S

32 ports at 100G. The spine that joins your racks, or a fast top-of-rack switch for 100G servers and storage.

32 × 100G
+ 2 × 10G
3.2 Tbps capacity



SPINE · AI AND GPU FABRIC

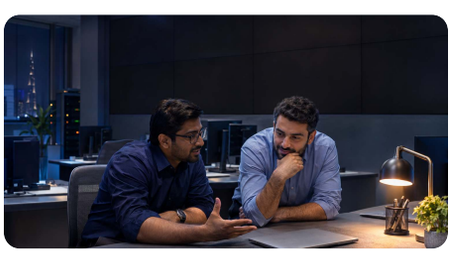
DTS-5400-32S

32 ports at 400G. The highest capacity in the family, for AI training, GPU clusters and large spine layers.

32 × 400G
+ 2 × 10G
12.8 Tbps capacity







WHERE THEY FIT

AI and GPU clusters
Fast, lossless links for model training and inference.

Banks and finance
Low delay for trading, risk and fraud checks.

Government and research
Keep sensitive data in the country.

Private cloud
Run your own cloud on your own premises.

Service providers
Telco, ISP and hosting data centers.

Edge and server rooms
Data center speed in a small space.

WHY D-LINK

- **Open software.** Ready for SONiC, the open-source network system that large cloud operators use. No lock-in.
- **Made for AI traffic.** Lossless Ethernet (RoCEv2) keeps GPU data moving with no dropped packets.
- **Grows with you.** Add racks without a redesign.
- **Optics from D-Link.** Matching 25G, 100G, 200G and 400G modules and cables.
- **Local team.** Pre-sales design help and support across the Middle East and Africa.

Capacity figures are half duplex as the datasheets state them (full duplex: 4.0, 6.4 and 25.6 Tbps). The switches ship with ONIE so that you can install SONiC. Specifications are from D-Link B1 datasheets and can change without notice. Ask for the technical brief for full specifications.

Ready to talk about your data center? Contact us, or find a D-Link partner near you.

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