



D-Link + Pluribus Networks

The new frontier of open networking in a campus deployment

D-Link and Pluribus Networks have teamed up to certify the Pluribus Netvisor® ONE OS on the new DXS-5000-54S Open Network Switch for advanced applications in software-defined networks.

One of the best applications for software-defined networks like the one from D-Link and Pluribus Networks is in campus networks, specifically universities. The ideal architecture for such a network is comprised of three main components:

Access Layer

The access layer provides connectivity to end devices. End devices may include user workstations, wireless access points, IP cameras and IP telephones, office printers, and more.

Distribution Layer

The distribution layer aggregates the data received from many access layer switches before it is transmitted to the core layer for routing to its final destination.

Core Layer

The core layer is also referred to as the network backbone. The core layer consists of high-speed network devices designed to switch packets as fast as possible and interconnect multiple campus components, such as distribution modules, service modules, the data center, and the WAN edge.

Benefits of the DXS-5000-54S + Netvisor ONE

- Software-Defined Network (SDN) architecture supports aggregation across a multi-building, multi-site campus
- Managing all devices as a single entity for distributed deployments
- Easy to manage with automation for provisioning, management and policy
- Traffic segmentation with distributed policy enforcement
- Advanced security services and security service insertion
- Integrated telemetry for network and application performance visibility



The DXS-5000-54S Open Network Switch

- **Turbocharged Hardware:** Includes 48 SFP+ ports supporting 10 Gigabit Ethernet. These ports are also backwards compatible with 1GbE SFPs. In addition, there are 6 QSFP+ ports supporting 40 Gigabit Ethernet.
- **ONIE:** An open install environment which acts as an enhanced boot loader, this small Linux operating system allows IT Professionals to install the network operating system of choice as part of data center provisioning process.
- **Flexibility:** Features modular fans and power supplies for a high availability architecture. The hot-swappable design means that fans and power supplies can be replaced without affecting switch operation.
- **Limited Lifetime Warranty:** D-Link offers an industry leading Limited Lifetime Warranty, to further its commitment to product quality and long-term customer confidence.

