



Efficient & Robust Data Center Network

Data centers have become more important nowadays as we see an increase in digitization, use of cloud, AI and more. An effective data center will require network switches to handle the large amount of data constantly transmitted between devices.

PLANET Data Center Network Solution



High-performance

Featuring up to 100G QSFP28 to maximize data transmission and efficiency.



Scalability

Able to expand network reach and utilize higher bandwidth transmission.



Cybersecurity

The latest security to ensure privacy and protection against external threats.



Sustainability

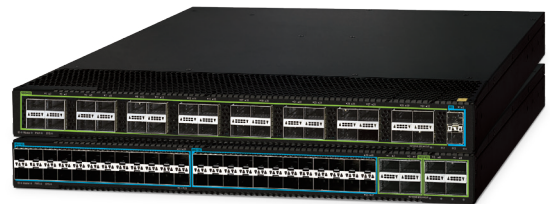
Energy-efficient design enhance efficiency and sustainability.

Developed for Any Data Center

PLANET data center network solution includes high-performance switches to optimize varying data center types, making it ideal for cloud computing environments, large enterprise data centers, high-frequency trading, and large-scale content delivery networks (CDN).

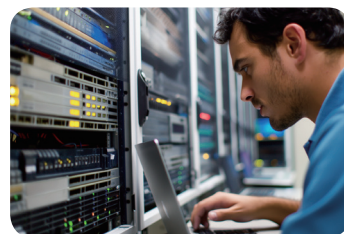
- Enterprise
- Cloud-computing
- Edge-computing
- Colocation
- Hyperscale
- Telecom

DCS-7342-32C2X



DCS-7342-48Y8C

Layer 3 Managed Data Center Switch
DCS-7342 Series



Optimized for High Computing Power Applications

Data center with advanced AI technology and machine learning is an example where it requires high computational power to operate as it can help with:

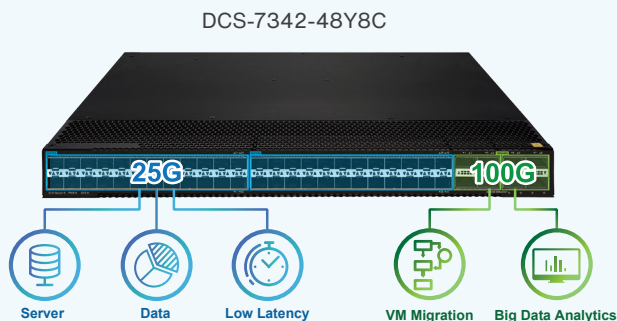
- Improve workload management
- Optimize operations
- Enhance Customer Service

Provide high-bandwidth transmission that can deliver essential AI-driven data without any slow down or lag.

Enhance AI Data Center Performance and Reliability

25Gbps SFP28 and 100G QSFP28 fiber transceivers

- Capable of **40G/100G** connectivity
- **High-bandwidth** and **low-latency**



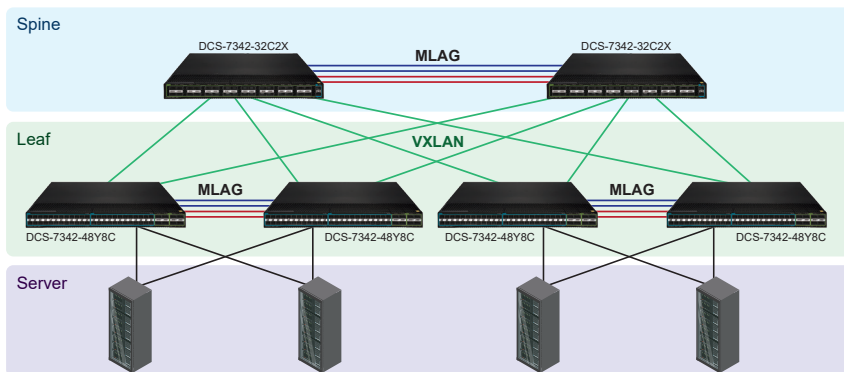
Efficient Scalability with MLAG and VXLAN

MLAG (Multi-chassis Link Aggregation Group)

- Multiple switches to function as a **unified entity**
- Seamless failover
- Increased bandwidth utilization
- **Synchronizes** configurations and state information between paired switches

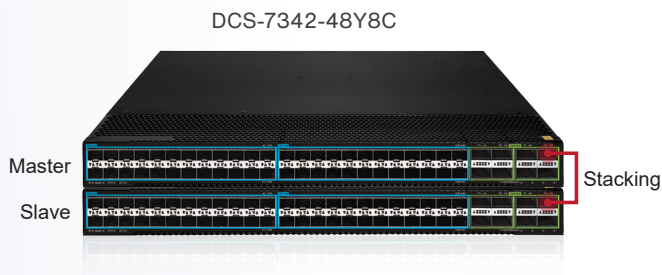
VXLAN (Virtual Extensible LAN)

- Layer 2 and Layer 3 **switching functionalities**
- **EVPN** (Ethernet virtual private network) **VXLAN** support



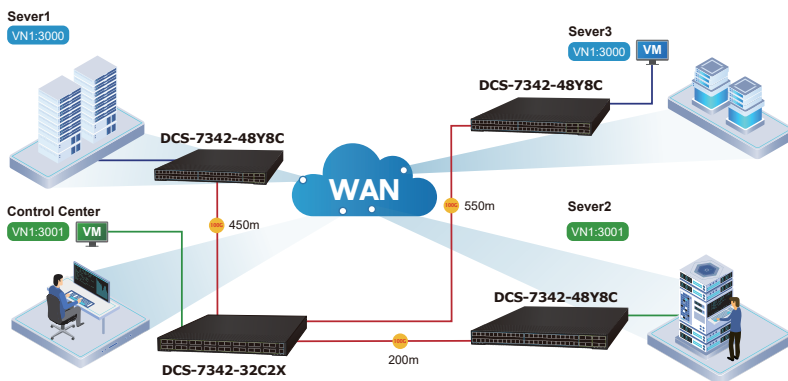
Stacking Technology

- Virtualize multiple switches into a **single logical device**
- **Simplify** network management and expansion



Connect hundreds of servers and storage devices

- Enterprise resource planning (ERP)
- Customer relationship management (CRM)
- AI operation servers
- Database services



VXLAN Routing + 100G Uplink Applications

Data Center Cybersecurity Protection

The solution provides many security features to protect data against advanced threats.



Major Advantages



Access-control list (ACL)



Port security



Data encryption

Additional Security Features

- SSHv2 and TLSv1.2 protocols
- 802.1x port-based
- DHCP Snooping
- IP Source Guard
- SNMPv3 authentication
- ARP Inspection Protection



Robust Layer 3 Protocols

OSFPv2

OSPFv3

RIPng

IS-IS

BGP4

BGP4+



Energy-efficient Design

To alleviate high-temperatures typically found in high-performance data centers, the DCS-7342 series features:

- > **Smart fans** adjust speed based on temperature and workload
- > **Efficient cooling** with **minimal power usage and noise**



Featured Products:

Layer 3 48-Port 25G SFP28 + 8-Port 40/100G QSFP28 Managed Data Center Switch

DCS-7342-48Y8C



Layer 3 32-Port 100/40G QSFP28 + 2-Port 10G SFP+ Managed Data Center Switch

DCS-7342-32C2X



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