

D-Lite Cloud Overview



The user can access D-Lite Cloud from the web to manage and configure off-site locations. The internet traffic does not pass through the cloud, compliant with the latest data protection and privacy regulations. Security is assured with out-of-band, SSL-encrypted management plane backed with a 99.99% uptime service level agreement. If the Cloud service is down this will not affect the service of local locations.



DLS-F1100-26PSD-SI

26 Port Layer 2 Gigabit Cloud Managed PoE+ Switch

Features

- Cloud Management
- Zero-Touch Deployment
- Intuitive Interface
- Unlimited Scalability
- 24 100/1000Mbps POE ports
- 2 Gigabit SFP Ports
- 250 watts available for PoE
- End-to-End Encryption
- Event Log and Change Log
- Over-the-Air Firmware Upgrades
- Real Time Traffic Reporting & Analytics*
- Automated Monitoring & Alerts
- Multi-Tenant & Role-Based Administration
- Map View
- AI Diagnostics

The DLS-F1100-26PSD-SI is a 26 port Cloud Managed Gigabit Switch with 24 10/100/1000 Mbps PoE ports, 2 Gigabit SFP uplink ports. This Switch enables users to easily connect and supply power to PoE-capable devices such as wireless Access Points (APs), IP cameras.

Solution Benefits

1. Easy-to-Configure APs and Switches

Users no longer have to configure each access point individually, D-Lite Cloud offers an intuitive cloud interface to mass or individually configure your access points, ideal for lean IT businesses. Settings are saved on the cloud and pushed to the devices. The D-Lite cloud-managed switch enables lean IT to easily provision, manage and even troubleshoot their entire network. Port configurations can be easily configured individually or performed in a batch.

2. Easy & Rapid AP & Switch Deployment

After pre-configuring the AP or Switch towards a certain profile, the AP & Switch can then be quickly deployed remotely and be up and running without configuration at the target site.

3. Unlimited Scalability

With D-Lite Cloud, the controller is managed in the cloud from a single centralized interface and no longer faces hardware scalability limitations commonly found in traditional on-premise controllers. D-Lite Cloud supports unlimited access points and switches, ideal for small to medium-sized businesses.

4. Management Multi-Site Management

From the centralized interface, IT professionals and System Integrators can manage multi remote sites with features including creating accounts, generating reports*, and remotely installing, managing and monitoring the wireless and wired infrastructure for multiple users – all with minimal commitment in terms of training time, IT resources and capital.



Intuitive Dashboard Interface



D-Lite APP



5. Management Intuitive Dashboard

An Intuitive and Comprehensive Dashboard to Configure and Monitor your Network

- Online and Offline Devices
- Number of Clients
- PoE /Power Status
- Client Traffic and Analysis view
- Device Traffic and Analysis view
- CPU & Memory Usage
- Alert Notifications

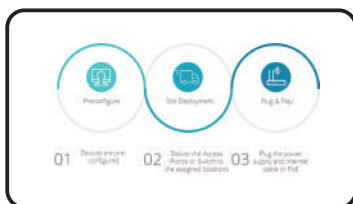
6. D-Lite APP for Easy Deployment and Monitoring

D-Lite Cloud offers APP to configure and monitor your network on the go.

- Quick Setup via QR Code
- Real-Time Monitoring
- Comprehensive Configurations



Easy-to-Configure APs and Switches



Easy & Rapid AP & Switch Deployment



Unlimited Scalability
Management Multi-Site Management



Management Intuitive Dashboard

Product Highlights

Power Your Devices

- Supports IEEE 802.3af/at PoE to Power PoE capable Network devices via ethernet cables without need for power adapters.

Robust PoE Power Budget

- Supports IEEE 802.3af/at standard
- Each port supports up to 30 watts, with a total PoE budget of 250 watts

Superior connectivity

- 24 100/1000Mbps POE ports
- 2 Gigabit SFP Ports
- 250 watts available for PoE
- Flow control for protection against data loss

Power over Ethernet (PoE)

- The DLS-F1100-26PSD-SI supports both IEEE 802.3at and IEEE 802.3af PoE protocol.
- With a total PoE budget of 250 watts, allowing users to attach an IEEE 802.3af-compliant device to the DLS-F1100-26PSD-SI without requiring additional power.
- PoE is especially suitable for devices that are far from power outlets or when users want to minimize the clutter of extra cables as power is supplied via the Ethernet cables themselves.

Gigabit High-Speed Networking

- Gigabit ports allow you to connect up to 24 devices for fast file transfers and smooth media streaming
- Two SFP uplink ports allow for additional connections to storage or an uplink network

Eco-friendly and Economical

- Low-cost, innovative design runs reliably and quietly, saving energy and cutting costs without sacrificing performance.

Standards

- IEEE 802.3 10BASE-T Ethernet (twisted pair copper)
- IEEE 802.3u 100BASE-TX Fast Ethernet (twisted pair copper)
- IEEE 802.3ab 1000BASE-T Gigabit Ethernet (twisted pair copper)
- IEEE 802.3z 1000 BASE-X (fiber-optic)
- IEEE 802.3af Power over Ethernet
- IEEE 802.3at Power over Ethernet

Easy to Use

- Plug-and-play installation
- Zero-Touch provisioning
- IEEE 802.3x Flow Control
- Auto MDI I MDIX crossover for all ports

Technical Specifications

General

Network Interface	• 24 10/100/1000 Mbps PoE RJ45 ports (port1~port24) • 2Gigabit SFP Ports
Console Port	• RJ45
Transmission Rate	• 10/100/1000Mbps Each port supports MDI / MDIX auto-flip and auto-negotiation • Network interface: 10BASE-T or 100BASE-TX, 1000BASE-T Ethernet RJ-45 port
Protocols and Standards	• IEEE802.3 10BASE-T • IEEE 802.3u 100BASE-TX • IEEE802.3ab 1000 BASE-T • IEEE802.3z 1000 BASE-X • ANSI/IEEE 802.3 NWay auto-negotiation • IEEE802.3x Flow Control • IEEE 802.3af/at standard

Functionality

Switching Capacity	• 52Gbps
Packet Forwarding	• 38.688Mpps
LED's Indicator	• Power, SYS • LINK/ACT, PoE
PoE Budget	• 250W
MAC Address Table	• 8K Entries
Power	• 100-240VAC, 50-60Hz
Maximum Power Consumption	• 270.84W/(PoE on) • 20.84W(PoE off)
Standby Power Consumption	• 7.4W
Lightning Protection	• 6KV

Software Specification

Protocol Standard	• IEEE 802.3: Ethernet Media Access Control (MAC) Protocol • IEEE 802.3i: 10BASE-T Ethernet • IEEE 802.3u: 100BASE-TX Fast Ethernet • IEEE 802.3ab: 1000BASE-T Gigabit Ethernet • IEEE 802.3z: 1000BASE-X Gigabit Ethernet (fiber) • IEEE 802.3ad: Standard method for performing link aggregation • IEEE 802.3x: flow control • IEEE 802.1p: LAN Layer 2 Qos/Cos protocol for traffic priority (multicast filtering) • IEEE 802.1d: STP Spanning tree • IEEE 802.1s: MSTP Spanning tree • IEEE 802.1w: RSTP Spanning tree • IEEE 802.3af/at • IEEE 802.1AB: LLDP
DHCP	• DHCP Snooping
VLAN	• 4K VLAN • MAC VLAN, IP VLAN, Protocol VLAN • VLAN translation
MAC Address Table	• MAC address learning and aging automatically • Static, dynamic • MAC ageing time

Technical Specifications

Software Specification

Security	• Password protection • HTTPS, SSLv3, TLS v1, SSH v1/v2 • IP-MAC-PORT binding • IP source protection, DoS protection • DHCP Snooping, DHCP attack protection • 802.1X, AAA • Port isolation • CPU protection • Mac Address Count Limit
POE Management	• POE power limit • POE status view • PoE port priority • PoE power supply time period
Access control (ACL)	• Standard & Extended ACL
Port Mirroring	• Port base mirror support ingress, egress, both Support 1:1 and N:1 RSPAN
Quality of Service (QoS)	• 8 port queues • Port priority, 802.1p priority, DSCP priority • SP, WRR, WFQ Priority scheduling algorithm
Spanning Tree	• STP(IEEE 802.1d), RSTP(IEEE 802.1w) and MSTP(IEEE 802.1s) protocol • Mstp support 64 instance • Root Bridge Protection, TC protection, BPDU protection
Multicast	• IGMP v1/v2 Snooping • Fast leave mechanism • Packet statistics, and unknown multicast discards
Storm Suppression	• Multicast suppression • Broadcast suppression • Unknown unicast suppression
Link Aggregation	• Static aggregation • Dynamic aggregation • IP, MAC, and hybrid load balancing modes • Up to 32 aggregation groups
Discovery	• LLDP(802.1ab)
IPv6	• IPv6 Ping, IPv6 Tracert, IPv6 Telnet, IPv6 SSH, IPv6 SSL
Management and Maintenance	• Cloud Management • WEB network management (HTTP, HTTPS, SSL V3) • CLI (Telnet, SSH V1/V2, local serial port) • SNMP V1/V2/V3 • LLDP, RMON • IP source protection, DoS protection CPU monitoring, memory monitoring • System log, Grading Warning

Physical

Physical Characteristics	• Dimensions (LxWxH): 440 x 180 x 44mm • Weight: 2600g
Environmental Parameter	• Operating Temperature: 0 to 40 °C (32 to 104 °F) • Operating Humidity: 10% to 90% non-condensing

Technical Specifications

Order Information

Part Number	Description
DLS-F1100-26PSD-SI	D-Lite Cloud Managed Layer 2 Gigabit 26-Port PoE+ Switch with 2 SFP Ports

Example Topology

