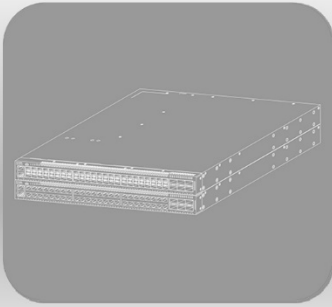




Hardware Installation Guide

Product Model: DXS-3610 Series

Layer 3 Stackable 10GbE Managed Switch

Release 1.00

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FCC Compliance Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

D-Link Corporate
17595 Mt. Hermann Street
Fountain Valley, CA 92708
(800) 326-1688

CE Mark Warning

This equipment is compliant with Class A of CISPR 32. In a residential environment, this equipment may cause radio interference.

Avertissement Concernant la Marque CE

Cet équipement est conforme à la classe A de la norme CISPR 32. Dans un environnement résidentiel, cet équipement peut provoquer des interférences radio.

VCCI Warning

この装置は、クラス A 機器です。この装置を住宅環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。VCCI-A

BSMI Notice

此為甲類資訊技術設備，於居住環境中使用時，可能會造成射頻擾動，在此種情況下，使用者會被要求採取某些適當的對策。

Safety Compliance

Warning: Class 1 Laser Product: When using a fiber optic media expansion module, never look at the transmit laser while it is powered on. In addition, never look directly at the fiber TX port and fiber cable ends when they are powered on.

Avertissement: Produit Laser de Classe 1: Ne regardez jamais le laser tant qu'il est sous tension. Ne regardez jamais directement le port TX (Transmission) à fibres optiques et les embouts de câbles à fibres optiques tant qu'ils sont sous tension.

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Intended Readers

The DXS-3610 Series 100 Gigabit Ethernet Managed Switch Hardware Installation Guide contains detailed information about the hardware specifications of the switches in this series. It also contains brief information on how to configure and manage a switch in this series. This manual is intended for advanced level users that are familiar with network management concepts and terminology. For all practical reasons, all the switches in this series will simply be referred to as the *Switch* throughout this manual.

Typographical Conventions

Convention	Description
Boldface Font	This convention is used to place emphasis on keywords. It also indicates a button, toolbar icon, menu, menu item, system message, or a prompt appearing on the screen. For example, click the Apply button.
Initial capital letter	This convention is used to indicate a window name or keyboard key. For example, press the Enter key.
Blue Courier Font	This convention is used to represent a CLI example.

Notes and Cautions



NOTE: A note indicates important information that helps you make better use of your device.



CAUTION: A caution indicates a potential for property damage, personal injury, or death.

ATTENTION : Une précaution indique un risque de dommage matériel, de blessure corporelle ou de mort.

1. Introduction

Switch Description
Switch Series
Package Contents

Switch Description

The DXS-3610 series is the latest generation of Managed switches from D-Link. Switches in this series feature a wide selection of different ports types and speeds that can be used to interconnect a variety of networking devices to communicate with each other. The QSFP28 and SFP+ ports, with fiber-optical cabling, can be used to uplink connections that may span over great distances. Switches in this series also implement D-Link's innovative third generation Green Ethernet technology (IEEE 802.3az) to save power from links that are inactive by turning LEDs off based on a customized schedule and by allowing ports to automatically enter a hibernated state.

Switch Series

The following switches are part of the DXS-3610 series:

- **DXS-3610-54T** - L3 stackable 10GbE managed switch with 48 RJ45 10 Gbps and 6 QSFP28 100 Gbps ports
- **DXS-3610-54S** - L3 stackable 10GbE managed switch with 48 SFP+ 10 Gbps and 6 QSFP28 100 Gbps ports

Package Contents

Open the shipping carton of the Switch and carefully unpack its contents. The carton should contain the following items:

- One DXS-3610 series switch
- Two pre-installed AC power supply modules (*DXS-PWR700AC*)
- Five pre-installed fan modules with front-to-back-airflow (*DXS-FAN200*)
- Two AC power cords
- One RJ45 to RS-232 console cable
- One micro-USB to Type-A USB cable
- Four rubber feet with adhesive backing
- One rack mounting kit, containing two brackets and a number of screws
- One quick installation guide



NOTE: If any item is missing or damaged, please contact your local D-Link reseller for replacement.

2. Hardware Components

Front Panel Components

Rear Panel Components

Side Panel Components

Front Panel Components

The front panel features components like LED indicators, a Console port, an MGMT port, a micro-USB port, a reset button, and a variety of Ethernet ports. These components are described in detail below.

The following table lists the front panel components on **all** the switches in the series:

Port	Description
Console Port	The console port can be used to connect to the CLI of the Switch. This Out-Of-Band (OOB) connection can be made from the serial port of an administrative node to the RJ45 console port on the front panel of the Switch. The console cable (included in the package) must be used for the connection.
MGMT Port	The management (MGMT) port can be used to connect to the CLI or the Web UI of the Switch. SNMP-enabled connectivity can also be made through this port. This OOB connection can be made from a standard LAN adapter to the RJ45 MGMT port on the front panel of the Switch. This connection operates at 10/100/1000 Mbps.
Micro-USB Port	The micro-USB port provides additional storage space for firmware images and configuration files that can be copied to and from the Switch. Only endpoint devices like USB flash drives are supported.
Reset Button	The reset button can be used to reboot the switch or to reset the switch to its factory default settings depending on how long this button is pressed. Press and hold for less than 5 seconds This reboots the Switch. All unsaved configurations will be lost. Press and hold for between 5 and 10 seconds This resets the software configuration on the Switch to the factory default settings.
Information Tag	The sliding information tag is discretely located on the front panel, right next to the QSFP28 ports, and contains the product code, hardware version, serial number, and MAC address of the Switch. The QR code can be scanned to quickly obtain the abovementioned information.

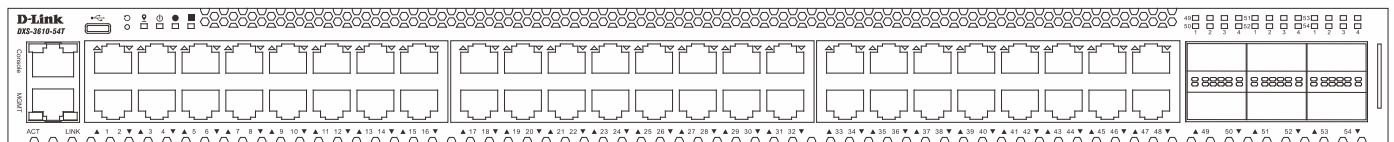


Figure 2-1 DXS-3610-54T Front Panel

This following table lists the front panel components unique to the **DXS-3610-54T**:

Port Type	Port Number	Description
RJ45 Ports (1/10 Gbps)	<i>Ports 1 to 48</i>	This switch is equipped with 48 RJ45 Ethernet ports that can operate at 1 and 10 Gbps wire-speeds.
QSFP28 Ports (40/100 Gbps)	<i>Ports 49 to 54</i>	This switch is equipped with 6 QSFP28 ports that can operate at 40 and 100 Gbps wire-speeds and support a wide collection of QSFP+/QSFP28 transceivers.

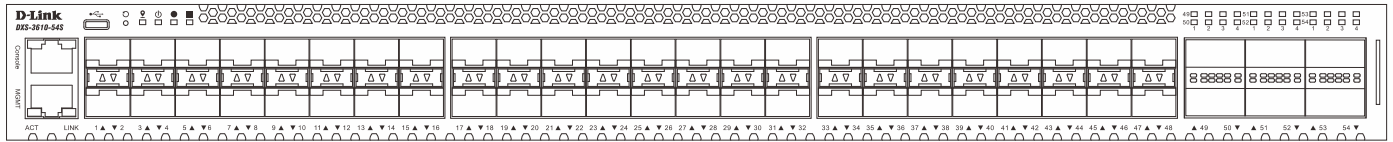


Figure 2-2 DXS-3610-54S Front Panel

This following table lists the front panel components unique to the **DXS-3610-54S**:

Port Type	Port Number	Description
SFP+ Ports (1/10 Gbps)	<i>Ports 1 to 48</i>	This switch is equipped with 48 SFP+ ports that can operate at 1 and 10 Gbps wire-speeds and support a wide collection of SFP/SFP+ transceivers.
QSFP28 Ports (40/100 Gbps)	<i>Ports 49 to 54</i>	This switch is equipped with 6 QSFP28 ports that can operate at 40 and 100 Gbps wire-speeds and support a wide collection of QSFP+/QSFP28 transceivers.

Front Panel LED Indicators

The LED indicators provide valuable information in a variety of ways like their color, blinking times, and location.

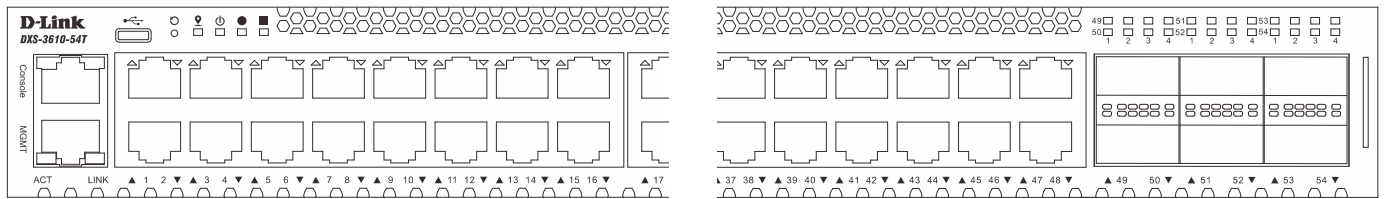


Figure 2-3 DXS-3610-54T Front Panel LED Indicators

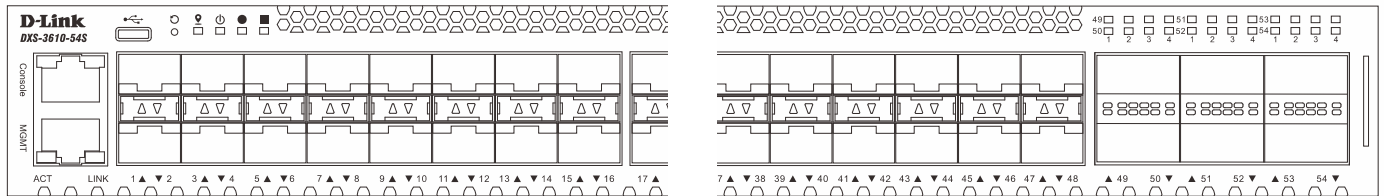


Figure 2-4 DXS-3610-54S Front Panel LED Indicators

The front panel LED indicators are described in the following table:

LED	Color	Status	Description
Locator	Blue	On (Solid)	User logged in
	-	Off	Locator function is disabled
Power	Green	On (Solid)	Power on
		On (Blinking)	Performing system self-test
	Amber	On (Solid)	PSU failed or Voltage/Current/Temperature too high
	-	Off	Power off
Status	Green	On (Solid)	POST passed and normal operation
		On (Blinking)	POST in progress
	Amber	On (Blinking)	POST/PSU/Fan failed or Temperature too high
	-	Off	Power off
Fan	Green	On (Solid)	Fan operation normal

LED	Color	Status	Description
	Amber	On (Blinking)	Fan error
	-	Off	Power off
Link/Act (Out-Of-Band port)	Green	On (Solid)	Active connection through the port
		On (Blinking)	Data transmitted and received through the port
	-	Off	Inactive connection, no link present, or port disabled
Link/Act (10GE RJ45 ports)	Green	On (Solid)	Active connection at 10 Gbps through the port
		On (Blinking)	Data transmitted and received through the port
	Amber	On (Solid)	Active connection at 1 Gbps through the port
		On (Blinking)	Data transmitted and received through the port
	-	Off	Inactive connection, no link present, or port disabled
Link/Act (10GE SFP+ ports)	Green	On (Solid)	Active connection at 10 Gbps through the port
		On (Blinking)	Data transmitted and received through the port
	Amber	On (Solid)	Active connection at 1 Gbps through the port
		On (Blinking)	Data transmitted and received through the port
	-	Off	Inactive connection, no link present, or port disabled
Link/Act (100GE QSFP28 ports)	White (LED 1)	On (Solid)	Active connection at 100 Gbps through the port
		On (Blinking)	Data transmitted and received through the port
	Blue (LED 4)	On (Solid)	Active connection at 40 Gbps through the port
		On (Blinking)	Data transmitted and received through the port
	-	Off	Inactive connection, no link present, or port disabled
Stacking (Master) (100GE QSFP28 ports)	White (LED 1)	On (Solid)	Active connection at 100 Gbps through the port and the Switch is the <i>Master</i> switch in the stack
	Amber (LED 2)	On (Blinking)	Data transmitted and received through the port
	-	Off	No link present
Stacking (Slave) (100GE QSFP28 ports)	Amber (LED 3)	On (Solid)	Active connection at 100 Gbps through the port and the Switch is a <i>Slave</i> switch in the stack
	Blue (LED 4)	On (Blinking)	Data transmitted and received through the port
	-	Off	No link present

The behavior of the LEDs during the booting or rebooting process is described per phase in the following table:

Phase	LED(s)	Behavior
Phase 1	Locator	Lights solid blue during this phase.
	Power	Remains off during this phase.
	Status	Remains off during this phase.
	Fan	Remains off during this phase.
	Port Link/Act	Remains off during this phase.
Phase 2	Locator	Turns off during this phase.
	Power	Turns off during this phase.
	Status	Turns off during this phase.

Phase	LED(s)	Behavior
Phase 3	Fan	Turns off during this phase.
	Port Link/Act	Lights solid amber during this phase.
	Locator	Lights solid green during this phase.
	Power	Lights solid green during this phase.
	Status	Blinks green during this phase.
System Ready	Fan	Lights solid green during this phase.
	Port Link/Act	Lights solid amber during this phase.
System Ready	All	Return to normal operation behavior.

Rear Panel Components

The rear panel features components like LED indicators, PSU (Power Supply Unit) modules, fan modules, and an electrical grounding point. These components are described in detail below.



CAUTION: When two PSU modules are installed, they must be the **same type** (two ACs or two DC) and also use the same airflow direction (back-to-front or front-to-back).

ATTENTION : Lorsque deux modules d'alimentation sont installés, ils doivent être du même type (deux CA ou deux CC) et utiliser le même sens du flux d'air (dos à dos ou face à face).

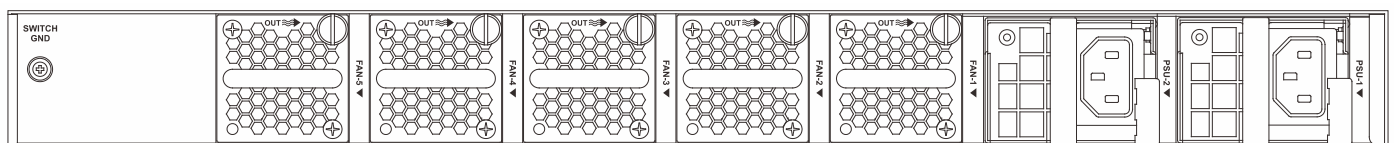


Figure 2-5 DXS-3610-54T/DXS-3610-54S Rear Panel (AC PSU)

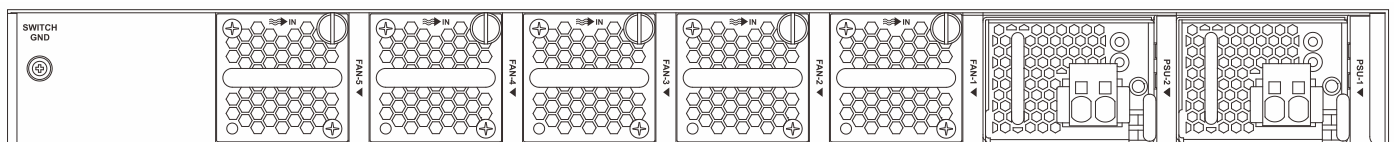


Figure 2-6 DXS-3610-54T/DXS-3610-54S Rear Panel (DC PSU)

This following table lists the rear panel components on the Switch:

Port	Description
Switch GND	Use an electrical grounding wire and connect one end of the wire to the switch GND and the other end of the wire to an electrical grounding point most commonly found on the Switch mounting rack itself.
Fan Modules	These are five hot-swappable, redundant (4+1) fan module slots on the rear panel of the Switch. The following fan modules can be installed in these slots: • DXS-FAN200 (Fan module with Front-to-Back airflow) • DXS-FAN200-B (Fan module with Back-to-Front airflow) When five fan modules are installed, four fan modules will be active and the fifth fan module will be passive until one of the four active fan modules fail.
Power Supply Module Slots	There are two load-sharing power supply module slots on the rear panel of the Switch. The following power supply modules can be installed in these slots: • DXS-PWR700AC (AC PSU with Front-to-Back airflow) • DXS-PWR700AC-B (AC PSU with Back-to-Front airflow) • DXS-PWR1000DC (-48V DC PSU with Front-to-Back airflow)

Port	Description
	DXS-PWR1000DC-B (-48V DC PSU with Back-to-Front airflow) When two PSU modules are installed, they will share the power load between them.

Rear Panel LED Indicators

The LED indicators provide valuable information in a variety of ways like their color, blinking times, and location.

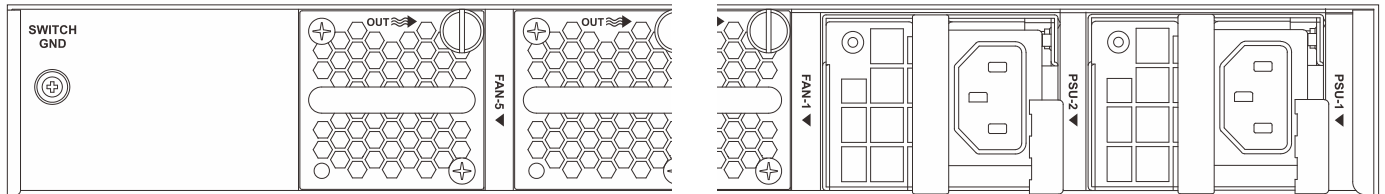


Figure 2-7 DXS-3610-54T/DXS-3610-54S Rear Panel LED Indicators

The rear panel LED indicators are described in the following table:

LED	Color	Status	Description
Power Supply Module	Green	On (Solid)	Normal power supply module operation
		On (Blinking)	PSU module is off but standby power is supplied
	Amber	On (Solid)	PSU/Fan failed or PSU shutdown due to critical event
		On (Blinking)	Warning event occurred (Power/Current/Temperature too high or fan is too slow)
	-	Off	Power off or PSU is on but with warning events
Fan Module	Green	On (Solid)	Fan operation is normal
		On (Blinking)	Fan error occurred
	-	Off	Power off

Side Panel Components

The side panels feature components like rack-mounting screw holes and rack-mounting slider pegs.

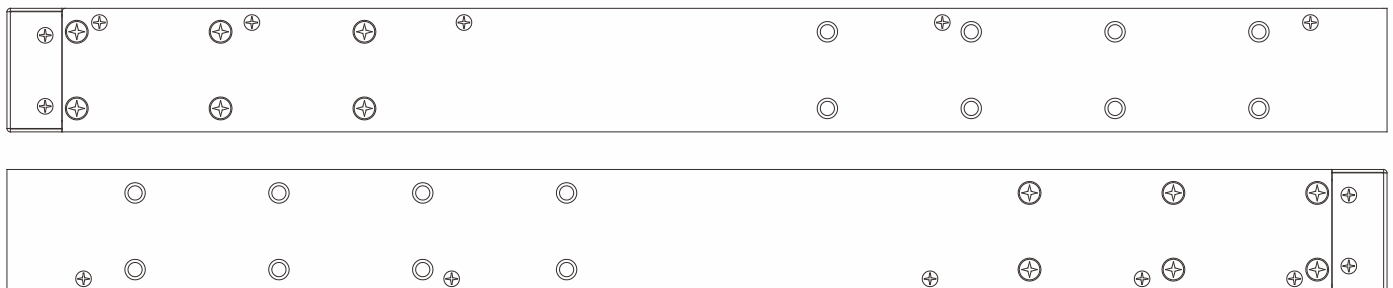


Figure 2-8 DXS-3610-54T/DXS-3610-54S Side Panels

3. Installation

Installation Guidelines

Installing the Switch without a Rack

Installing the Switch in a Standard 19" Rack

Installing Transceivers into the Transceiver Ports

Installing PSU Modules into the PSU Module Slots

Installing Fan Modules into the Fan Module Slots

Installation Guidelines

This section will discuss the hardware installation guidelines that the user must follow in order to properly and safely install this switch into the appropriate environment.

- Visually inspect the power cord and see that it is fully secured to both the power connector, on the Switch, and the electrical outlet that supplies power.
- Install the Switch in a fairly cool and dry place within the acceptable operating temperature and humidity ranges. For more information about the acceptable operating temperature and humidity ranges, refer to the Physical and Environmental section.
- Install the Switch in a site free from strong electromagnetic field generators such as motors, vibration, dust, and direct exposure to sunlight.

Installing the Switch without a Rack

This section is used to guide the user through installing the Switch in an area other than a switch rack. Attach the included rubber feet to the bottom of the Switch. Take note that there should be marked blocks on the bottom of the Switch to indicate where to attach the rubber feet. These markings are usually found in each corner on the bottom of the device. The rubber feet cushion the Switch, protecting the casing from scratches and preventing it from scratching other surfaces.

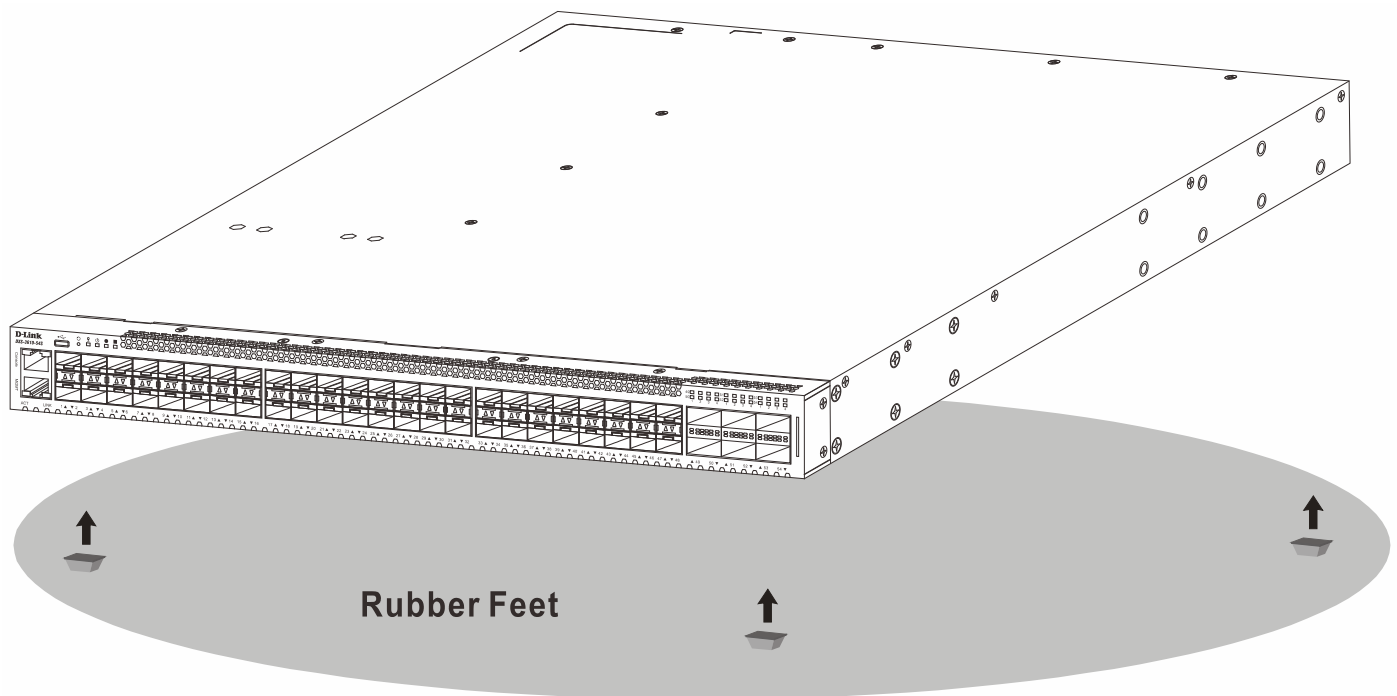


Figure 3-1 Attaching rubber feet to the Switch

Install the Switch on a sturdy, level surface that can support the weight of the Switch. Do not place any heavy objects on the Switch. The power outlet should be within 1.82 meters (6 feet) of the Switch. Make sure that there is proper

heat dissipation from and adequate ventilation around the Switch. Leave at least 10 cm (4 inches) of space at the front, sides, and rear of the Switch for ventilation.

Installing the Switch in a Standard 19" Rack

This section is used to guide the user through installing the Switch into a switch rack. The Switch can be mounted in a standard 19"(1U) rack using the **rack mounting kit** included in the package contents.

Fasten the frontal rack-mounting brackets to the front-sides of the Switch using the screws provided.

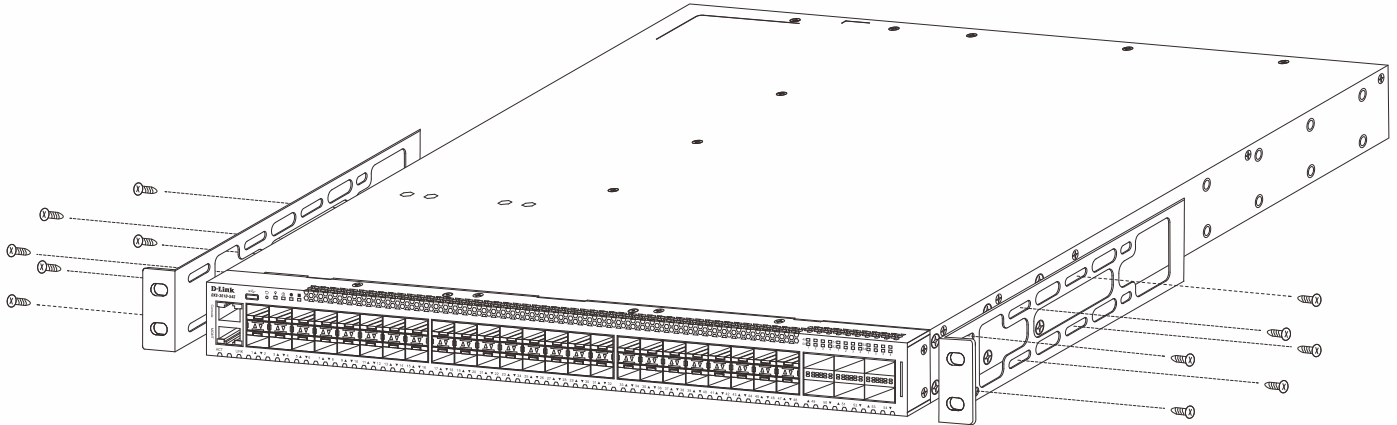


Figure 3-2 Attaching the frontal rack-mounting brackets

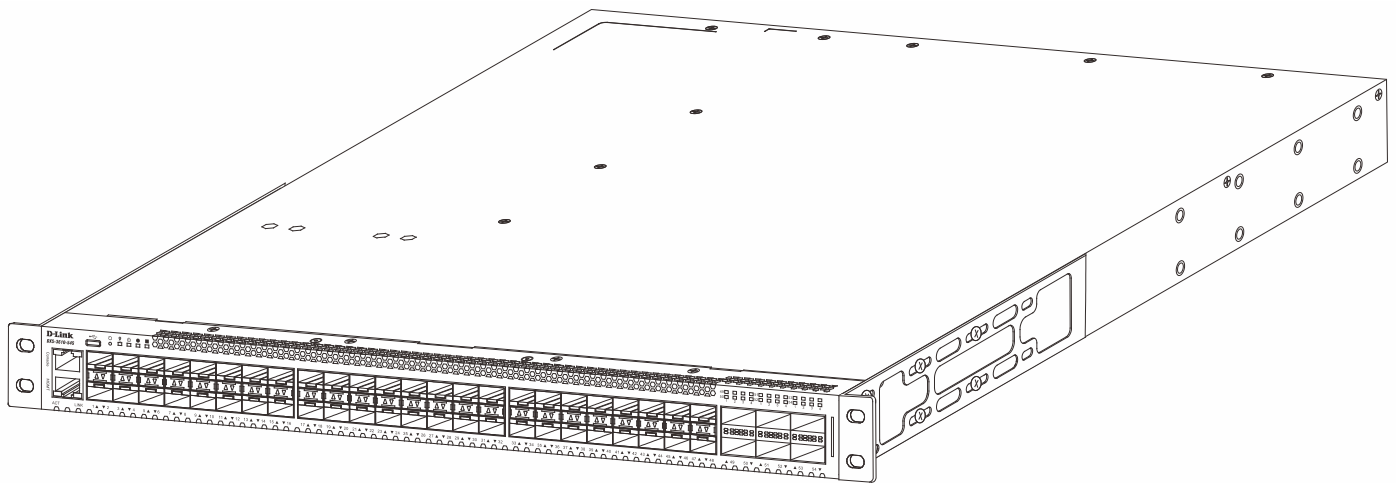


Figure 3-3 Frontal rack-mounting brackets attached

Slide the rear rack-mounting slider brackets into place, as illustrated below.

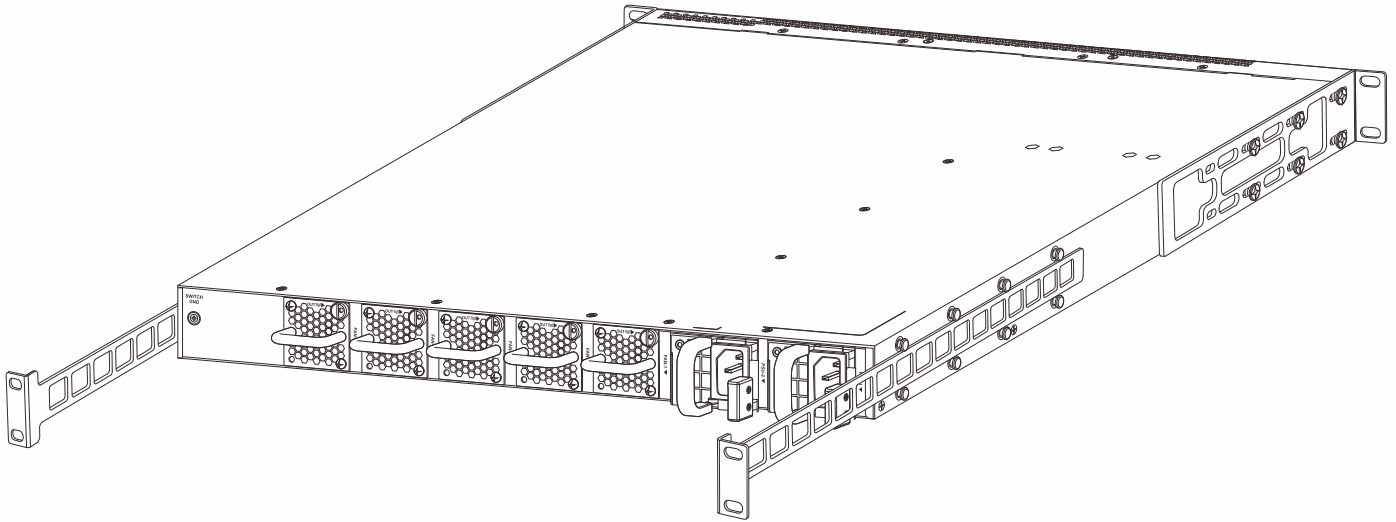


Figure 3-4 Positioning the rear rack-mounting brackets

Fasten the mounting brackets in any available open space in the rack using the screws provided.

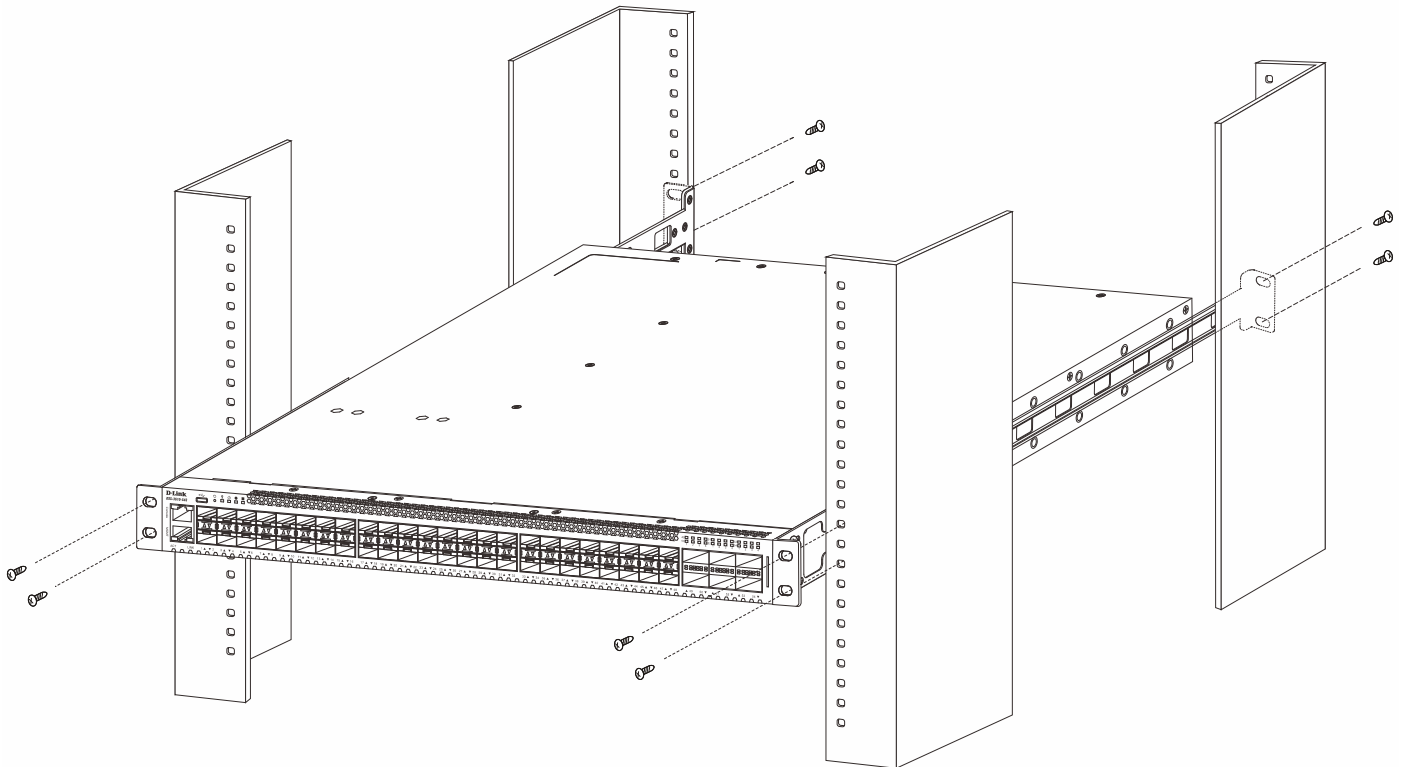


Figure 3-5 Installing the Switch in a Rack

Make sure that there is adequate space around the Switch to allow for proper airflow, ventilation, and cooling.



- The **DXS-3610-54T** and **DXS-3610-54S** is equipped with *QSFP28 ports*.
- Only the **DXS-3610-54S** is equipped with *SFP+ ports*.

10

The figure below illustrates how to properly insert SFP/SFP+ transceivers into the 10GE **SFP+** ports.

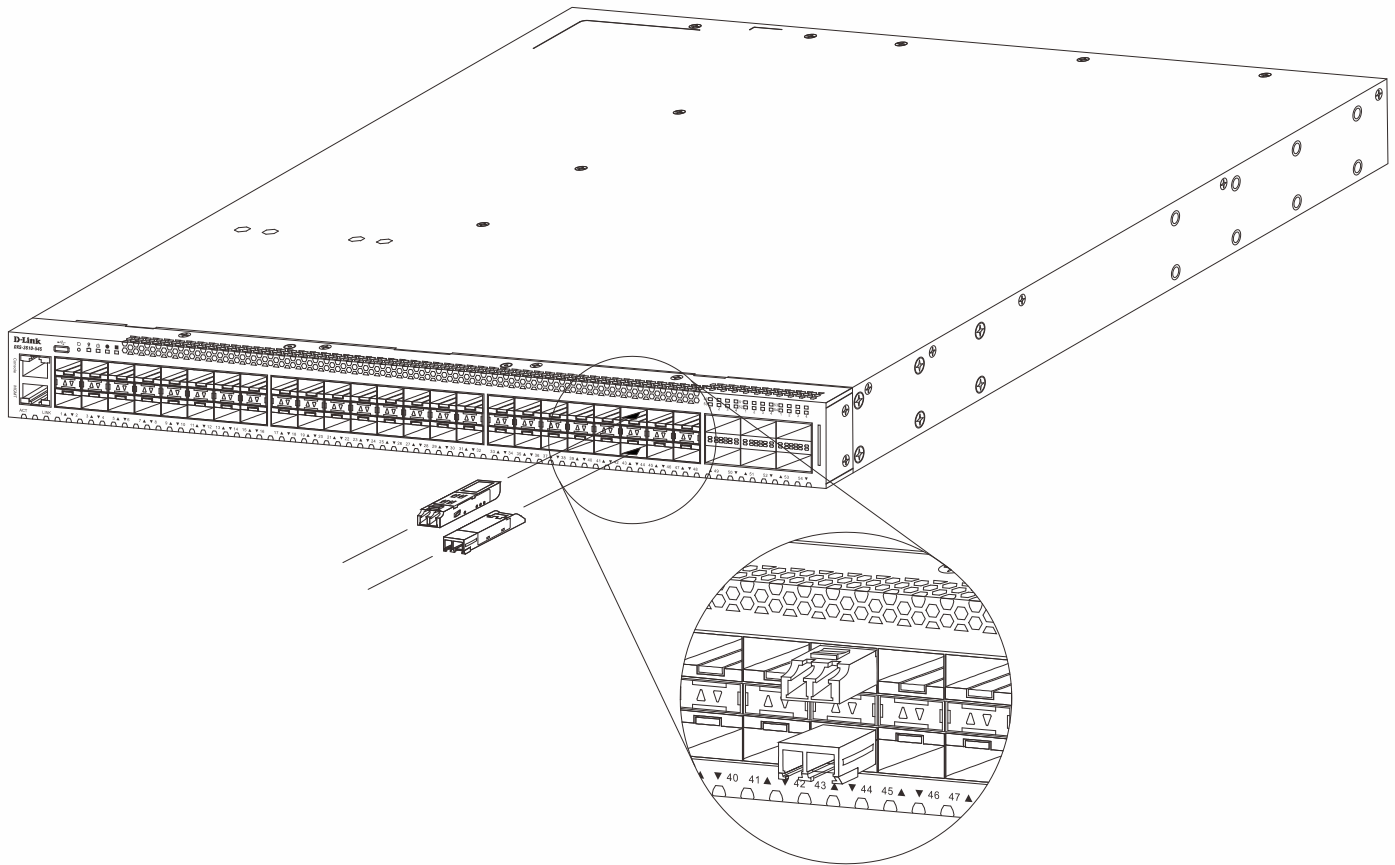


Figure 3-7 Inserting SFP/SFP+ transceivers into the SFP+ ports



NOTE: For the full list of D-Link SFP/SFP+/QSFP+/QSFP28 transceivers that are supported on the Switch, refer to the **Supported SFP/SFP+/QSFP+/QSFP28 Transceivers** table on page 30.



NOTE: Only use pluggable optical modules and Direct-Attach Cables (DAC) that meet the following regulatory requirements:

- Class 1 Laser Product
- UL and/or CSA registered component for North America
- FCC 21 CFR Chapter 1, Sub-chapter J in accordance with FDA & CDRH requirements
- IEC/EN 60825-1/-2: 2007 2nd edition or later, European Standard

Installing PSU Modules into the PSU Module Slots

The Switch supports the installation of AC PSU (Power Supply Unit) modules and/or DC PSU modules into the PSU module slots.



NOTE: The PSU modules support a specific airflow direction. This airflow direction must be the same as the fan module(s) installed. The default airflow direction is front-to-back on all the installed PSU modules and fan modules.

Installing AC PSU Modules

The Switch is shipped with two pre-installed AC PSU modules. This section can be referenced when one or more AC PSU modules need to be replaced.



CAUTION: Make sure that the AC power cord is removed from the Switch and that the Switch is not receiving any power. The power, fan, and other LED indicators must be off.

ATTENTION : Assurez-vous que le cordon d'alimentation CA est débranché du commutateur et que le commutateur ne reçoit pas de courant. L'alimentation, le ventilateur et les autres voyants à LED doivent être éteints.

To remove an existing AC PSU module, press the release clip to the side and gently pull the AC PSU module out of the PSU module slot.

Insert the new AC PSU module into the PSU module slot until the release clip securely clicks into place.

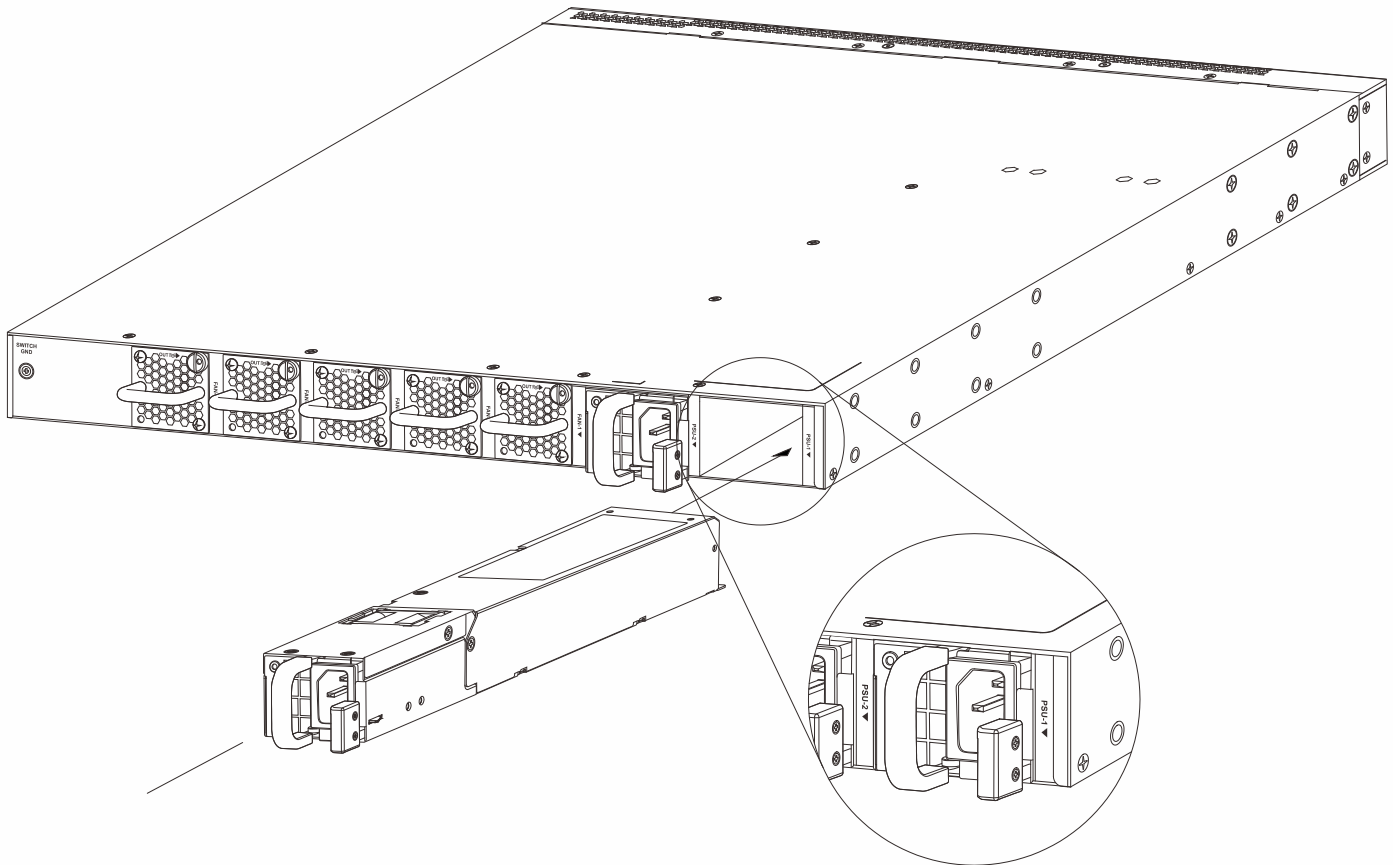


Figure 3-8 Installing an AC PSU Module

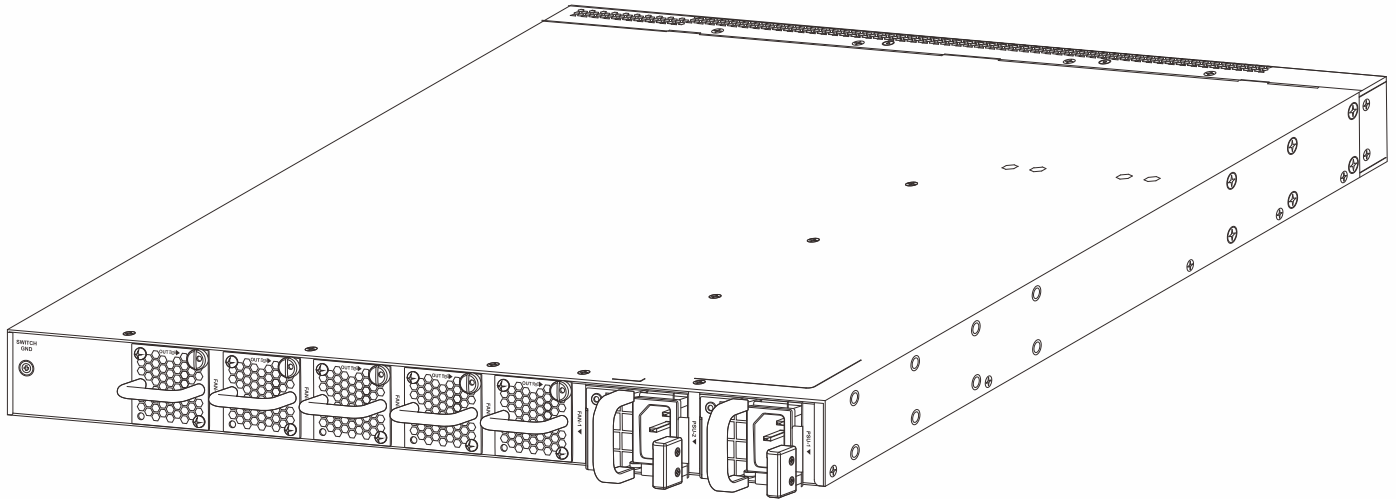


Figure 3-9 Installed AC PSU Module

A second AC PSU module can be installed into the second PSU module slot labelled **PSU-2**. If the primary AC PSU fails, the second AC PSU is used to provide AC power to the Switch. This takes place immediately and automatically.

When the AC PSU module is securely installed, plug one end of the AC power cord into the AC power socket on the AC PSU module and the other end of the AC power cord into a properly grounded AC power source outlet. There is no power switch/button on the Switch. The system will automatically power on and adjust its power settings to adapt to any voltage supplied within the 100~240VAC range at 50~60Hz.

Installing DC PSU Modules

Switches in this series can also be shipped with two pre-installed DC PSU modules. This section can be referenced when one or more DC PSU modules need to be replaced.



CAUTION: Make sure that the DC power supply source is disconnected from the Switch and that the Switch is not receiving any power. The power, fan, and other LED indicators must be off.

ATTENTION : Assurez-vous que la source d'alimentation CC est déconnectée du commutateur et que celui-ci n'est pas alimenté. L'alimentation, le ventilateur et les autres voyants à LED doivent être éteints.

To remove an existing DC PSU module, press the release clip to the side and gently pull the DC PSU module out of the power supply module slot.

Insert the new DC PSU module into the power supply module slot until the release clip securely clicks into place.

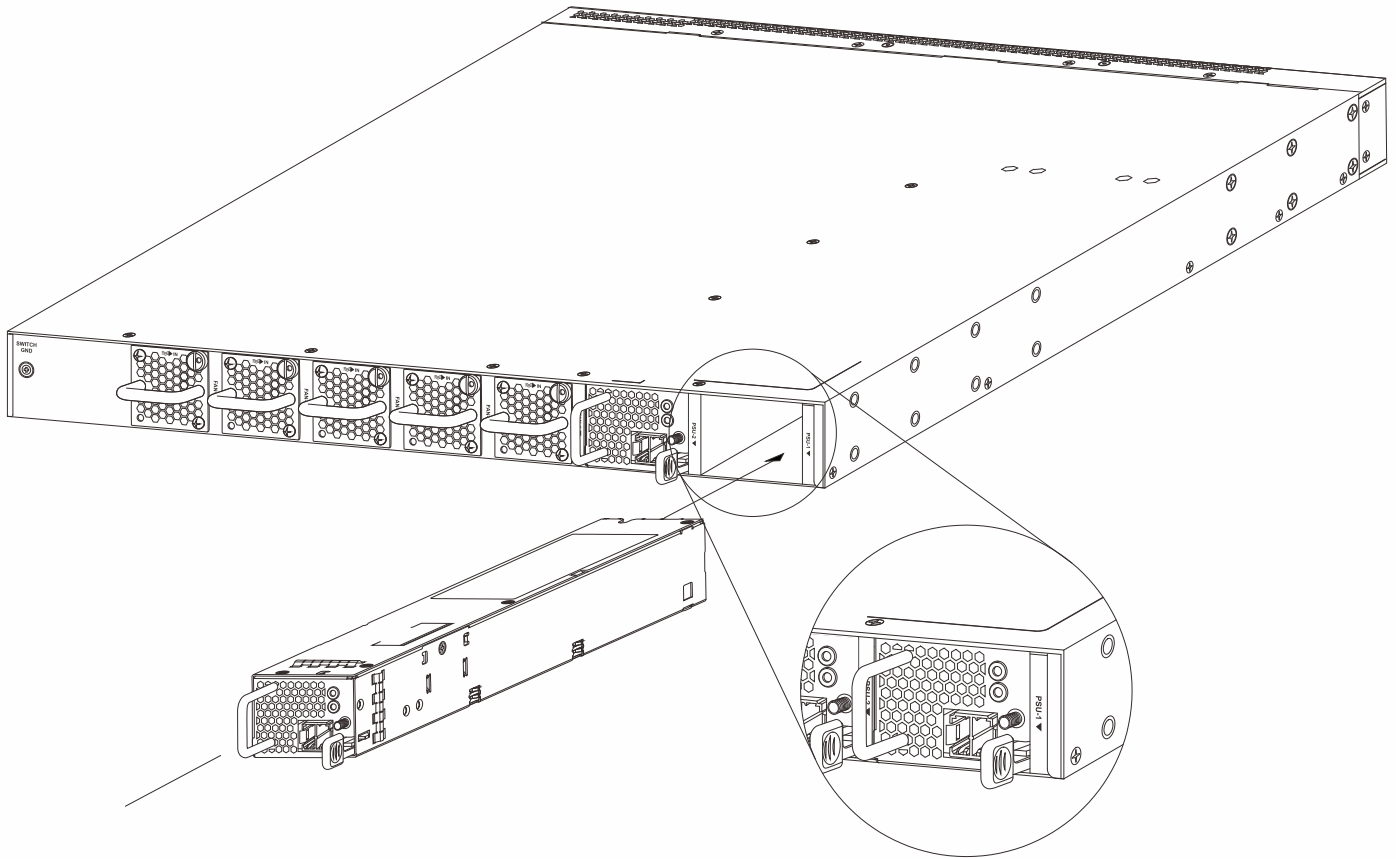


Figure 3-10 Installing a DC PSU Module

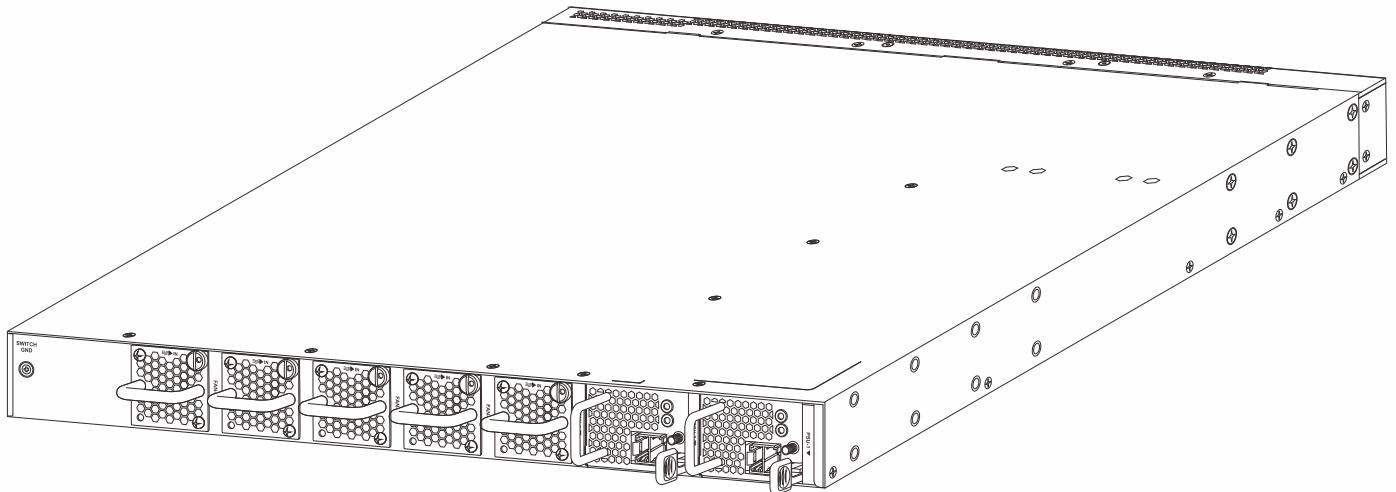


Figure 3-11 Installed DC PSU Module

A second DC PSU module can be installed into the second PSU module slot labelled **PSU-2**. If the primary DC PSU fails, the second DC PSU is used to provide DC power to the Switch. This takes place immediately and automatically.

When the DC PSU module is securely installed, insert the one end of the DC power cord, with the plug, into the matching DC power socket on the DC PSU module and the other end of the DC power cord to the DC power source (-48VDC/5.2A). Make sure that the connection polarity (positive and negative) is correct to avoid any damaged.

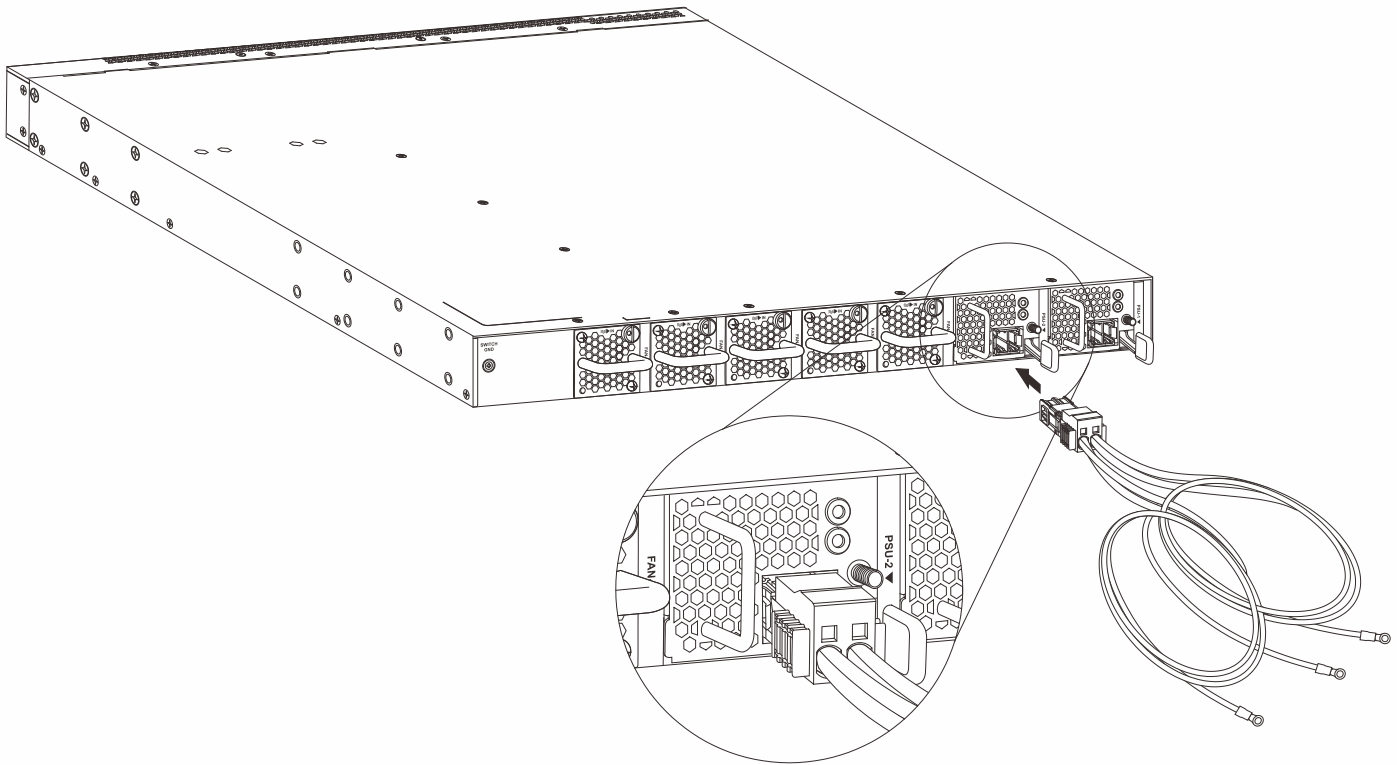


Figure 3-12 Connecting a DC Battery to the DC Power Supply Module

There is no power switch/button on the Switch. The Switch will power on automatically.



CAUTION: Before connecting the DC power cable to the DC power input socket, on the switch, the DC power cable must be properly connected to DC source, at your facility, by a qualified, licensed electrician.

ATTENTION : Avant de brancher le câble d'alimentation CC à la prise d'alimentation CC, sur le commutateur, le câble d'alimentation CC doit être correctement branché à la source CC, dans votre installation, par un électricien qualifié et agréé.



CAUTION: When installing a DC-powered switch, ground the chassis before connecting the switch to the DC power source and following the following instructions:

- Use a minimum of 18 AWG stranded copper wire for grounding. The wire should be long enough to reach from the installed switch to the facility ground point.
- Ground additional hardware appropriately to the earth ground connection at your site.
- Connect the DC power cable to a DC main circuit breaker rated no greater than 15A.

ATTENTION : Lorsque vous installez un commutateur alimenté en courant continu, mettez le châssis à la terre avant de connecter le commutateur à la source d'alimentation en courant continu et suivez les instructions ci-après:

- Utilisez un minimum de fil de cuivre toronné de 18 AWG pour la mise à la terre. Le fil doit être suffisamment long pour aller du commutateur installé au point de mise à la terre de l'installation.
- Mettez à la terre le matériel supplémentaire en fonction de la prise de terre de votre site.
- Connectez le câble d'alimentation DC à un disjoncteur principal DC d'une puissance maximale de 15A.

Installing Fan Modules into the Fan Module Slots

This section guides the user through installing fan modules into the fan module slots. On the rear panel of the Switch, there are five fan module slots. Front-to-Back (FB) or Back-to-Front (BF) fan modules can be installed in these slots. By default, the Switch is shipped with five **DXS-FAN200** modules pre-installed.



NOTE: The fan modules support a specific airflow direction. This airflow direction must be the same as the PSU module(s) installed. The default airflow direction is front-to-back on all the installed PSU modules and fan modules.

To remove an existing fan module, use a flat-head screwdriver to unscrew the lag bolt (with a slot drive head) and gently pull the fan module out of the fan module slot.

Insert the new fan module into the fan module slot and fasten the lag bolt to secure the fan module into place.

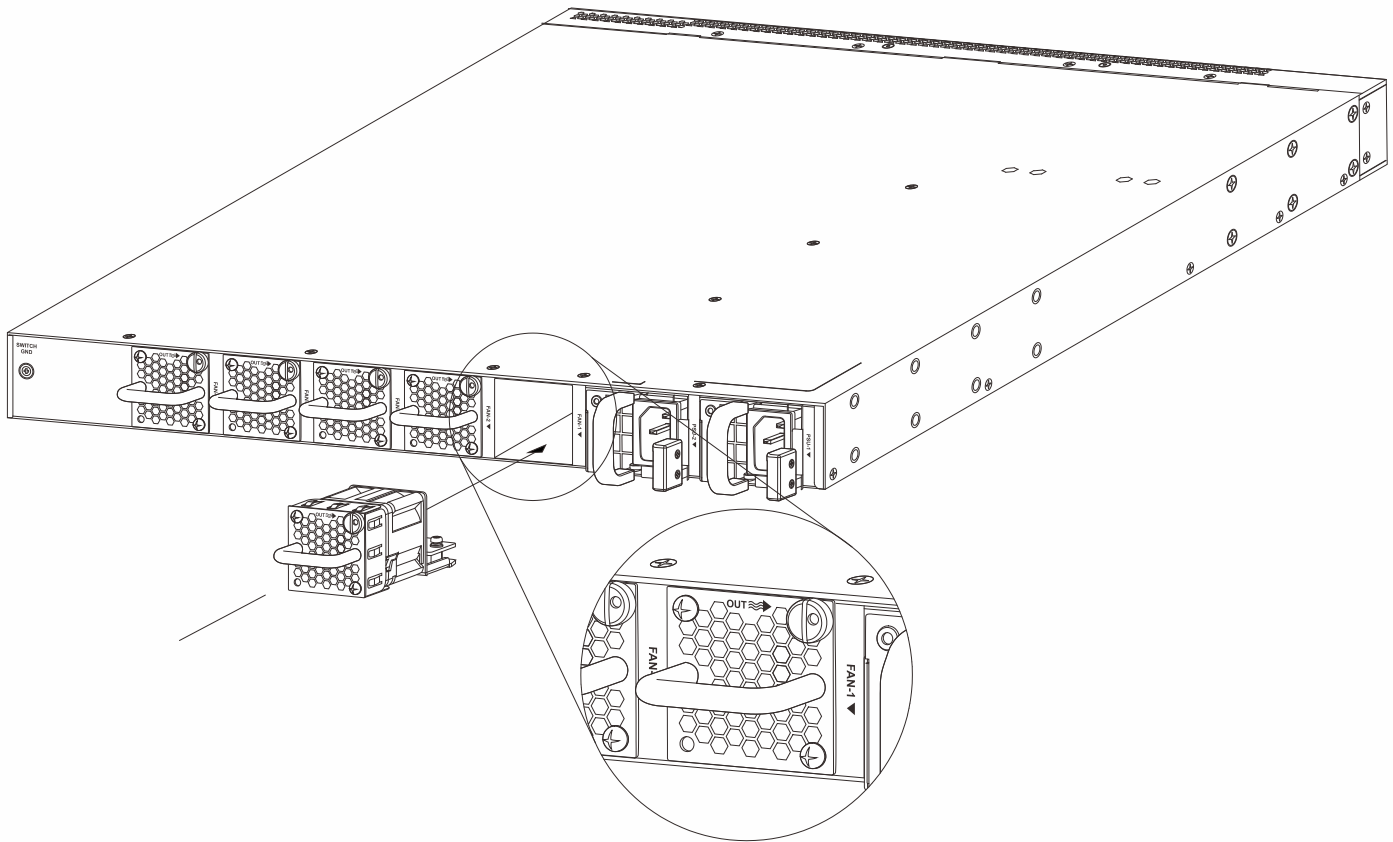


Figure 3-13 Installing a Fan Module

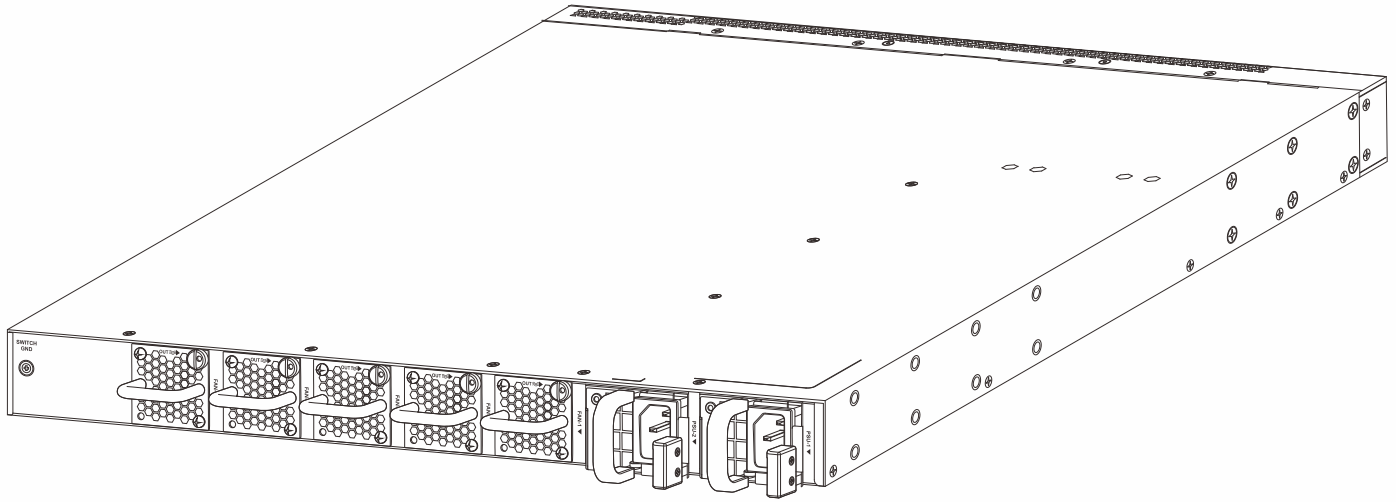


Figure 3-14 Installed Fan Module

Smart Fans

The fan modules are capable to automatically adjust their speed depending on the IC sensor reading of the temperature required. This feature is so sensitive that it can even adjust the speed of the fan to accurately control the internal temperature.

The following table lists at what temperature the speed of the fan(s) will change:

Switch	Fan Module	Low Speed	Medium Speed	High Speed
DXS-3610-54T	<i>DXS-FAN200</i>	Below 30°C	At roughly 35°C	Above 40°C
	<i>DXS-FAN200-B</i>	Below 30°C	At roughly 35°C	Above 40°C
DXS-3610-54S	<i>DXS-FAN200</i>	Below 30°C	At roughly 35°C	Above 40°C
	<i>DXS-FAN200-B</i>	Below 30°C	At roughly 35°C	Above 40°C

4. Switch Connections

Stacking the Switch
Switch to Server
Switch to Switch
Switch to End Node

Stacking the Switch

Switches in this series support stacking up to 12 switches together while being managed through one console connection or MGMT connection on the master switch or through any of the RJ45/SFP+/QSFP28 ports using Telnet, the Web UI, and SNMP. This cost-effective switch provides an affordable solution for administrators to upgrade their networks using the stacking ports to scale and stack the Switches. This increases overall reliability, serviceability, and availability.

Switches in the series can be physically stacked with optical fiber cables or Direct Attached Cables (DACs) with QSFP+/QSFP28 connectors. Only the last 6 QSFP28 ports on the Switch can be used for physical stacking.

The following stacking topologies are supported on the Switch:

- **Duplex Chain** - This topology stacks switches together in a chain-link format. Using this method, data transfer is only possible in one direction. If there is a break in the chain, data transfer will be affected.
- **Duplex Ring** - This topology stacks switches in a ring or circle format where data can be transferred in two directions. It is very resilient due to the fact that, if there is a break in the ring, data can still be transferred through the stacking cables between switches in the stack using the alternate path.

In the following diagram, switches are stacked in the **Duplex Chain** topology.

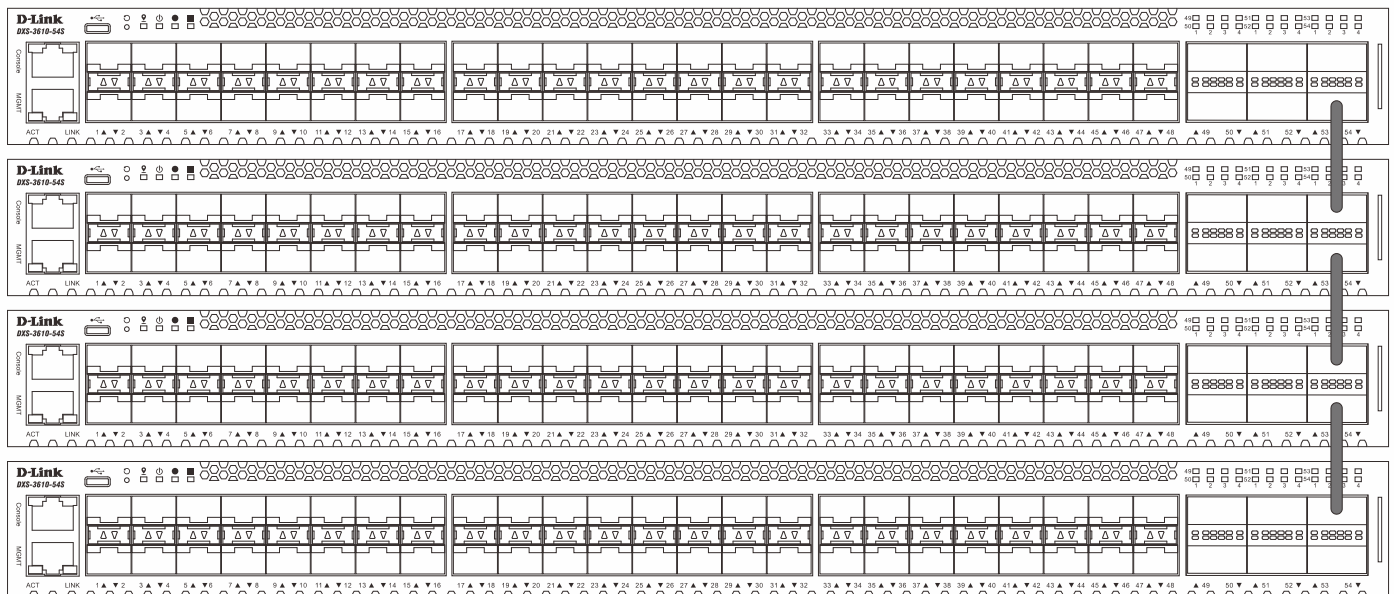


Figure 4-1 Duplex Chain Stacking Topology

In the following diagram, switches are stacked in the **Duplex Ring** topology.

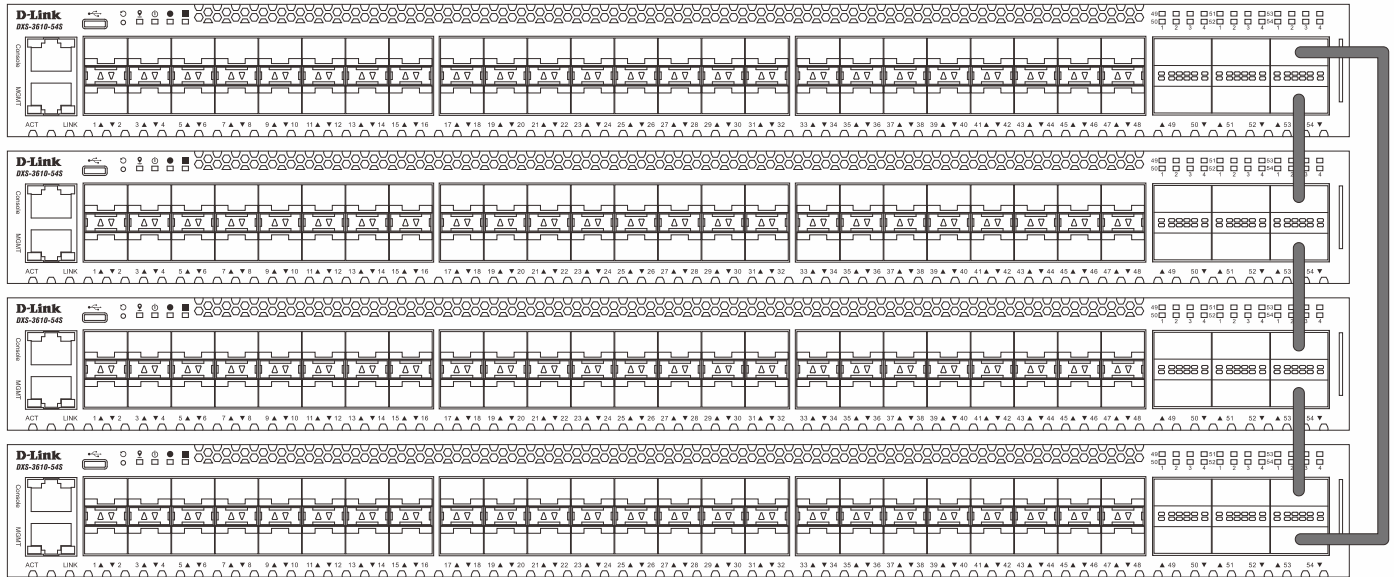


Figure 4-2 Duplex Ring Stacking Topology

Physical stacking needs to be enabled and can be configured to support a **2-port**, **4-port**, or **6-port** stacking configuration. SIO1 (Stacking Input/Output 1) and SIO2 are logical stacking port pairs. A logical stacking port pair must always be connected to the same Switch in the stack. Splitting logical stacking port pairs between different Switches in the stack might not guarantee a stable stacking connection.

The following table lists the stacking configuration with the corresponding SIO port pairs:

Configuration	Logical SIO1	Logical SIO2	Bandwidth
2-port	Port 53	Port 54	400 Gbps (full-duplex)
4-port	Port 51 and 53	Port 52 and 54	800 Gbps (full-duplex)
6-port	Port 49, 51, and 53	Port 50, 52, and 54	1200 Gbps (full-duplex)

Switch to Switch

The Switch can be used to connect to any other switch or hub in the network. This network topology is used when the Switch does not have enough ports to cater for all the end nodes in the network.

There is a great deal of flexibility on how connections are made using the appropriate cabling.

- Connect a 1000BASE-T switch port to the Switch via a Category 5e UTP/STP cable.
- Connect a 10GBASE-T switch port to the Switch via a Category 6/6a/7 UTP/STP cable.
- Connect a fiber uplink switch port to the Switch's SFP+/QSFP28 port via a fiber optical cable.

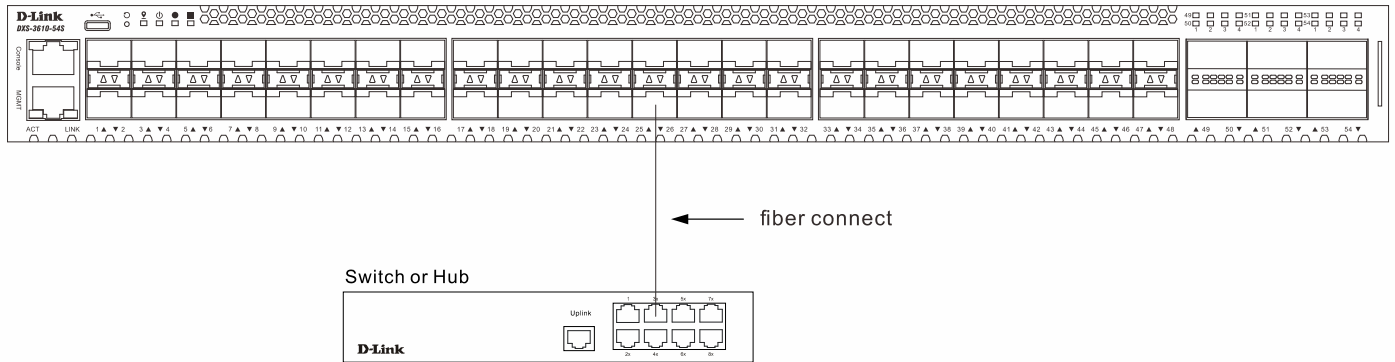


Figure 4-3 Switch to another Switch/Hub

Switch to Server

The Switch is ideal for connecting to a network backbone, server, or server farm. The RJ45 ports operate at speeds of 1/10 Gbps, the SFP+ ports operate at speeds of 1/10 Gbps, and the QSFP28 ports operate at speeds of 10/25/40/50/100 Gbps.



Figure 4-4 Switch to a Server

Switch to End Node

An end node is a generic name for edge networking devices that will be connected to this switch. Typical examples of end nodes are Personal Computers (PCs), Notebooks, Access Points, Print Servers, VoIP Phones and more. Each end node should be fitted with an RJ45 networking port. Normally, end nodes will connect to this switch by using a standard twisted-pair UTP/STP network cable. When a successful connection is established, the corresponding port light will illuminate and blink to indicate that network activity is taking place on that port.

The diagram below displays a typical end node connected to the Switch.



Figure 4-5 Switch to End Node

5. Switch Management

Management Options

Command Line Interface (CLI)

Web User Interface (Web UI)

SNMP-based Management

Management Options

To configure, manage, and monitor the software features on the Switch, users can connect to the Command Line Interface (CLI), Web User Interface (Web UI), or through the means of third-party SNMP software.

Command Line Interface (CLI)

The CLI provides access to all of the software features available on the Switch. These features can be enabled, configured, disabled, or monitored by simply entering the appropriate command after the CLI prompt and pressing the Enter key. The Console port offers an Out-Of-Band (OOB) connection to the CLI and the LAN ports offers an in-band connection to the CLI using Telnet or SSH.



NOTE: For more information about the CLI, refer to the *DXS-3610 Series CLI Reference Guide*.

Connecting to the Console Port

The Console port is used to connect to the CLI of the Switch. Connect the DB9 connector of the console cable (included in the packaging) to the Serial (COM) port of the computer. Connect the RJ45 connector of the console cable to the Console port on the Switch.

To access the CLI through the Console port, *Terminal Emulation Software* must be used like *PuTTY* or *Tera Term*. The Switch uses a connection of **115200** bits per second with **no flow control** enabled.

Port:	COM1	OK
Baud rate:	115200	
Data:	8 bit	Cancel
Parity:	none	
Stop:	1 bit	Help
Flow control:	none	

Figure 5-1 Console Connection Settings

After the boot sequence completed, the CLI login screen is displayed.



NOTE: The default username and password for the CLI and Web UI is *admin*.

Logging into the CLI

At the login screen, enter the **Username** and **Password** and press **Enter** after each entry to access the CLI.

```
DXS-3610-54S TenGigabit Ethernet Switch

      Command Line Interface
      Firmware: Build 1.00.028
      Copyright(C) 2020 D-Link Corporation. All rights reserved.

User Access Verification

Username:admin
Password:*****

Switch#
```



NOTE: For security reasons, it is highly recommended to configure a personal username and password for this Switch.

Creating a User Account

To create a new user account, use the **username** command in the Global Configuration Mode.

```
Switch# configure terminal
Switch(config)# username NewUser password 12345
Switch(config)# username NewUser privilege 15
Switch(config)#
```

A user account with the username 'NewUser', password '12345', and privilege level 15 was created.



NOTE: Usernames can be up to 32 characters in length. Passwords can be up to 32 plain-text characters in length. Passwords are case sensitive.

Configuring the IP Address

To configure the IP address of the Switch, use the **ip address** command in the VLAN Interface Configuration Mode.

```
Switch# configure terminal
Switch(config)# interface vlan 1
Switch(config-if)# ip address 10.50.50.50 255.0.0.0
Switch(config-if)#
```

The IP address of the Switch was change to '10.50.50.50' with the subnet mask of '255.0.0.0'.

Web User Interface (Web UI)

The Web UI, a more graphical representation, provides access to most of the software features available on the Switch. These features can be enabled, configured, disabled, or monitored using any standard web browser, like Microsoft's Internet Explorer, Mozilla Firefox, Google Chrome, or Safari. The LAN ports offers an in-band connection to the Web UI using HTTP or HTTPS (SSL).



NOTE: For more information about the Web UI, refer to the *DXS-3610 Series Web UI Reference Guide*.

Connecting to the Web UI

To access the Web UI, open a standard web browser, enter the IP address of the Switch into the address bar of the browser, and press the **Enter** key.



Figure 5-2 IP address in Internet Explorer



NOTE: The default IP address of the switch is **10.90.90.90** (subnet mask 255.0.0.0). The default username and password is **admin**.

Logging into the Web UI

In the authentication window, enter the **User Name** and **Password** and click the **Login** button to access the Web UI.



Figure 5-3 Web UI Login Window



NOTE: For security reasons, it is highly recommended to configure a personal username and password for this Switch.

Web Interface Navigation

After accessing the Web UI, the following is displayed:

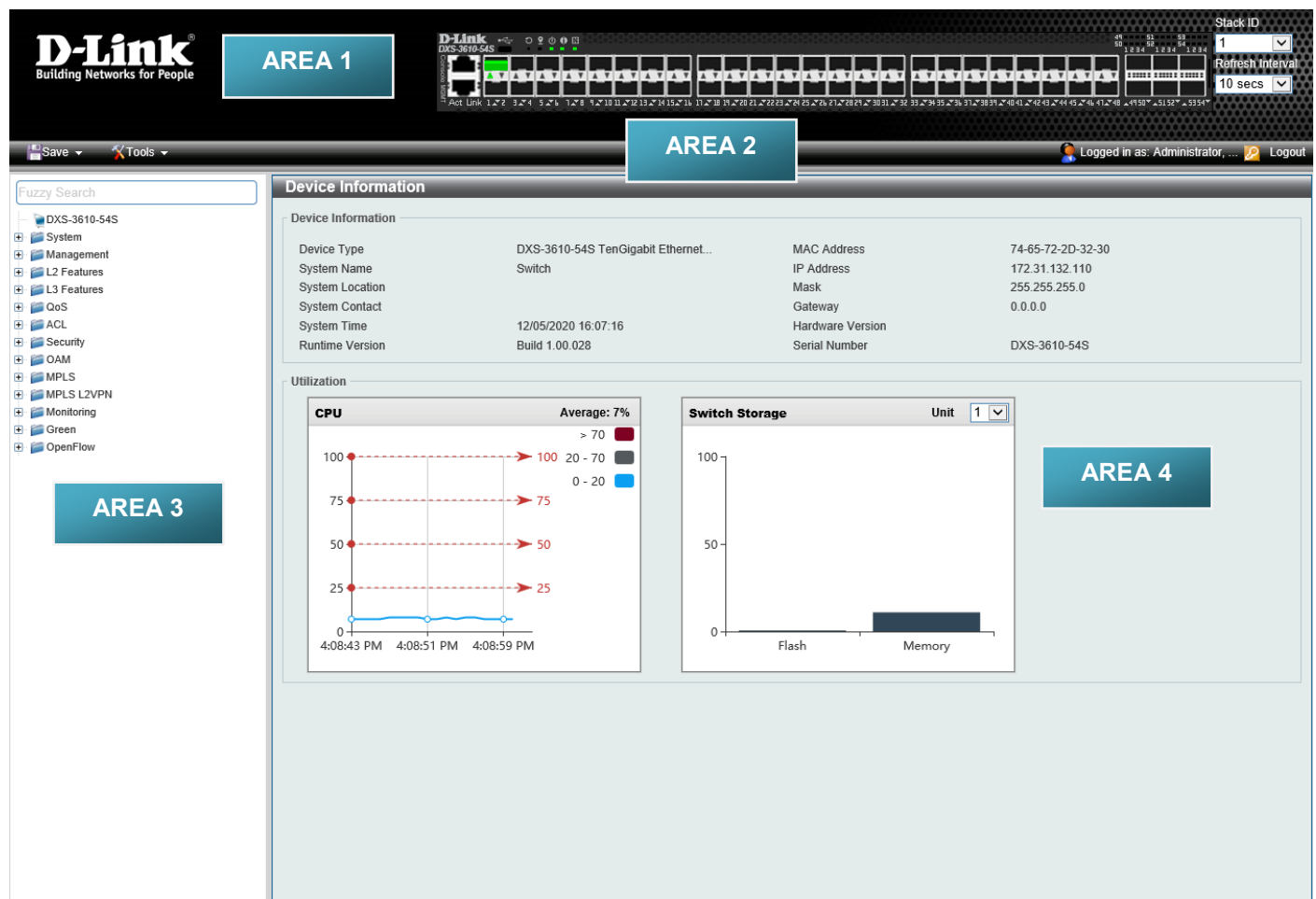


Figure 5-4 Web User Interface Areas (Standard Mode)

The Web UI is divided into four distinct areas that are described in the table below:

Area Number	Function
AREA 1	In this area, a graphical near real-time image of the front panel of the Switch is displayed with ports and expansion modules. Some management functions like port monitoring are also accessible here. Click the D-Link logo to go to the D-Link website.
AREA 2	In this area, a toolbar with access to functions like Save , Tools , and a Logout option is available. The user account and IP address, currently accessing the Web UI, is displayed on the right in this toolbar.
AREA 3	In this area, the software features available in the Web UI are grouped into folders containing hyperlinks that will open window frames in Area 4. There is also a search option in this area that can be used to search for specific feature keywords in the Web UI to easily find the link to the set of features.
AREA 4	In this area, configuration and monitoring window frames are available based on the selections made in Area 3.

SNMP-based Management

The Switch can be managed with an SNMP-compatible console program. The Switch supports Simple Network Management Protocol (SNMP) versions 1, 2c, and 3. An SNMP agent decodes the incoming SNMP messages and responds to requests with MIB objects stored in the database. The SNMP agent updates the MIB objects to generate statistics and counters.

Connecting using SNMP

In SNMP versions 1 and 2c, user authentication is accomplished using *community strings*, which function like passwords. The remote user SNMP application and the Switch must use the same community string. SNMP packets from any station that were not authenticated are ignored (dropped).

The default community strings for the Switch are:

- **public** - Allows authorized management stations to retrieve MIB objects.
- **private** - Allows authorized management stations to retrieve and modify MIB objects.

SNMPv3 uses a more sophisticated authentication process that is separated into two parts. The first part is to maintain a list of users and their attributes that are allowed to act as SNMP managers. The second part describes what each user on that list can do as an SNMP manager.

The Switch allows groups of users to be listed and configured with a shared set of privileges. This SNMP version may also be set for a listed group of SNMP managers. Thus, a group of SNMP managers can be created to view read-only information or receive traps using SNMP version 1, while assigning a higher level of security to another group, granting read/write privileges using SNMP version 3.

Using SNMP version 3 individual users or groups of SNMP managers can be allowed to perform or be restricted from performing specific SNMP management functions. The functions that have been allowed or restricted are defined using the Object Identifier (OID) associated with a specific MIB. An additional layer of security is available for SNMP version 3 in that SNMP messages may be encrypted.

Traps

Traps are messages that are sent by an SNMP-enabled device to the Network Management Station (NMS) and can be used to alert network personnel of events that occur on the Switch. These events can be as serious, like a reboot (someone accidentally turned off the Switch), or less serious like a port status change. The Switch generates traps and sends them to a pre-configured IP address, usually an NMS. Typical traps include trap messages for Authentication Failure and Topology Change.

Management Information Base (MIB)

A MIB stores management and counter information. The Switch uses the standard MIB-II Management Information Base module. Consequently, values for MIB objects can be retrieved from any SNMP-based network management software. In addition to the standard MIB-II, the Switch also supports its own proprietary enterprise MIB as an extended Management Information Base. The proprietary MIB may also be retrieved by specifying the MIB Object Identifier. MIB values can be either read-only or read-write.

Appendix A - Technical Specifications

Physical Specifications				
Feature	Description			
Dimensions	DXS-3610-54T	441 mm (W) x 487.4 mm (D) x 44 mm (H)		
	DXS-3610-54S	441 mm (W) x 487.4 mm (D) x 44 mm (H)		
	All the switches are 19-inch, 1U rack-mount size			
Weight	DXS-3610-54T	9.88 kg		
	DXS-3610-54S	9.80 kg		
PSU Modules	DXS-PWR700AC		AC PSU (100~240 VAC, 50~60 Hz, 10A Max) Front-to-Back airflow	
	DXS-PWR700AC-B		AC PSU (100~240 VAC, 50~60 Hz, 10A Max) Back-to-Front airflow	
	DXS-PWR1000DC		DC PSU (-48V, 26A) Front-to-Back airflow	
	DXS-PWR1000DC-B		DC PSU (-48V, 26A) Back-to-Front airflow	
Power Consumption	DXS-3610-54T	<i>Maximum</i>	100 VAC / 60 Hz	330.2 Watts
			240 VAC / 50 Hz	315.9 Watts
		<i>Standby</i>	100 VAC / 60 Hz	103.7 Watts
			240 VAC / 50 Hz	120.6 Watts
	DXS-3610-54S	<i>Maximum</i>	100 VAC / 60 Hz	320.8 Watts
			240 VAC / 50 Hz	305.1 Watts
		<i>Standby</i>	100 VAC / 60 Hz	120.6 Watts
			240 VAC / 50 Hz	114.6 Watts
MTBF	DXS-3610-54T	<i>FB Airflow</i>	96503 Hours (with AC power)	
			74204 Hours (with DC power)	
		<i>BF Airflow</i>	96806 Hours (with AC power)	
			50044 Hours (with DC power)	
	DXS-3610-54S	<i>FB Airflow</i>	94262 Hours (with AC power)	
			72872 Hours (with DC power)	
		<i>BF Airflow</i>	94544 Hours (with AC power)	
			49433 Hours (with DC power)	
Fan Module Slots	The IC Sensor detects the temperature on the switch automatically and adjusts the speed.			
	DXS-3610-54T	5 fan module slots (4+1 redundancy)		
	DXS-3610-54S	5 fan module slots (4+1 redundancy)		
Fan Modules	DXS-FAN200		Removable, hot-swappable Front-to-Back airflow	
	DXS-FAN200-B		Removable, hot-swappable Back-to-Front airflow	
Surge Protection	AC Power	<i>CM</i>	2 KV	

Physical Specifications			
		<i>DM</i>	1 KV
	DC Power	<i>CM</i>	0.5 KV
	Signal	<i>CM</i>	1 KV (10G RJ45 Port)
USB Port	Connector Type		Micro USB
	Standard Compliance		USB 2.0 (5V/1A)

Environment Specifications			
Feature	Description		
Temperature	Operating: 0°C to 45°C (32°F to 113°F) Storage: -40°C to 70°C (-40°F to 158°F)		
Humidity	Operating: 0 % to 95 % RH (non-condensing) Storage: 0 % to 95 % RH (non-condensing)		
Altitude	0 to 2000 meters (6562 feet) above sea level		
Electrostatic Discharge Protection	DXS-3610-54T	<i>Contact</i>	4 KV
		<i>Air</i>	8 KV
	DXS-3610-54S	<i>Contact</i>	4 KV
		<i>Air</i>	8 KV

Performance Specification			
Feature	Description		
Switching Capacity	<i>DXS-3610-54T</i>	2.16 Tbps	
	<i>DXS-3610-54S</i>	2.16 Tbps	
MAC Address Table	Up to 288K entries (1K static MAC addresses)		
Physical Stacking	Topology	Duplex Ring and Duplex Chain	
	Bandwidth	Up to 1.2 Tbps (Full-duplex)	
	Stack Number	Up to 12 Switches	
	Configurations	2-port	Ports 53 to 54
		4-port	Ports 51 to 54
		6-port	Ports 49 to 54
Packet Buffer	<i>DXS-3610-54T</i>	32 MB	
	<i>DXS-3610-54S</i>	32 MB	
Packet Forwarding Rate (Maximum)	<i>DXS-3610-54T</i>	1607.04 Mpps	
	<i>DXS-3610-54S</i>	1607.04 Mpps	
Forwarding Mode	Store and forward Cut through forwarding		
Priority Queues	Supports the following: Maximum of 8 Priority Queues per port		
Link Aggregation	Supports the following: - Maximum of 32 groups per device - Maximum of 12 ports per group		
Static Routes	Supports the following:		

Performance Specification	
	- Maximum of 1K static IPv4 routes - Maximum of 512 static IPv6 routes
Access Control List (ACL) Entries	Supports the following: - Maximum of 2304 MAC ingress ACL entries - Maximum of 2304 IP ingress ACL entries - Maximum of 2304 IPv6 ingress ACL entries - Maximum of 2048 MAC egress ACL entries - Maximum of 2048 IP egress ACL entries - Maximum of 1024 IPv6 egress ACL entries

Port Type Specifications		
Feature	Description	
Console Port	The RJ45 console port provides out-of-band access to the CLI using the following settings:	
	Baud Rate	115200 (default), 19200, 38400, and 9600 bps
	Data Bits	8
	Stop Bit	1
	Parity	None
	Flow Control	None
RJ45 Ports	The RJ45 Ethernet ports provides in-band access to the CLI and Web UI, interconnect nodes, and support the following standards and features:	
	Standards	IEEE 802.3ab (1000BASE-T) IEEE 802.3an (10GBASE-T) IEEE 802.3az (Energy-Efficient Ethernet) IEEE 802.3x (Full-Duplex, Flow Control)
	The RJ45 ports support the following features: - Back pressure for half-duplex mode - Head-of-line blocking prevention - Manual/auto MDI/MDIX configuration - Auto-Negotiation for each port	
SFP+ Ports	The SFP+ transceiver ports provides in-band access to the CLI and Web UI, interlink network segments, and support the following standards and features:	
	Standards	IEEE 802.3z (1000BASE-X) IEEE 802.3ah (1000BASE-BX10) IEEE 802.3ae (10GBASE-R)
	The SFP+ ports support the following features: - Only full-duplex operation - IEEE 802.3X flow control for the full-duplex mode All SFP+ ports are backwards compatible to support SFP transceivers.	
QSFP28 Ports	The QSFP28 transceiver ports provides in-band access to the CLI and Web UI, interlink network segments, and support the following standards and features:	
	Standards	IEEE 802.3ba (40GBASE-R4, 100GBASE-R4) IEEE 802.3bm (40GBASE-R4, 100GBASE-R4) IEEE 802.3bj (100GBASE-R4)
	The QSFP28 ports support the following features:	

Port Type Specifications

- Only full-duplex operation
 - IEEE 802.3X flow control for the full-duplex mode
- All QSFP28 ports are backwards compatible to support QSFP+ transceivers.

Supported SFP/SFP+/QSFP+/SFP28 Transceivers**SFP Fiber Transceivers**

<u>Product Code</u>	<u>Standard</u>	<u>Mode</u>	<u>Distance</u>	<u>TX</u>	<u>RX</u>
DEM-310GT	1000BASE-LX	Single-mode	10 km	1310 nm	
DEM-311GT	1000BASE-SX	Multi-mode	550 m	850 nm	
DEM-312GT2	1000BASE-SX	Multi-mode	2 km	1310 nm	
DEM-314GT	1000BASE-LHX	Single-mode	50 km	1550 nm	
DEM-315GT	1000BASE-ZX	Single-mode	80 km	1550 nm	

SFP+ Fiber Transceivers

<u>Product Code</u>	<u>Standard</u>	<u>Mode</u>	<u>Distance</u>	<u>TX</u>	<u>RX</u>
DEM-431XT	10GBASE-SR	Multi-mode	300 m	850 nm	
DEM-432XT	10GBASE-LR	Single-mode	10 km	1310 nm	
DEM-433XT	10GBASE-ER	Single-mode	40 km	1550 nm	
DEM-434XT	10GBASE-ZR	Single-mode	80 km	1550 nm	

SFP Copper Transceivers

<u>Product Code</u>	<u>Standard</u>	<u>Connector</u>	<u>Distance</u>	<u>TX/RX</u>	<u>Power</u>	<u>Amps</u>
DGS-712	1000BASE-T	SFP to RJ45	100 m	-	3.3 V	375 mA

SFP+ Copper Transceivers

<u>Product Code</u>	<u>Standard</u>	<u>Connector</u>	<u>Distance</u>	<u>TX/RX</u>	<u>Power</u>	<u>Amps</u>
DEM-410T	10GBASE-T	SFP+ to RJ45	30 m	-	3.3 V	780 mA

WDM (BiDi) SFP Transceivers

<u>Product Code</u>	<u>Standard</u>	<u>Mode</u>	<u>Distance</u>	<u>TX</u>	<u>RX</u>
DEM-330T	1000BASE-BX-D	Single-mode	10 km	1550 nm	1310 nm
DEM-330R	1000BASE-BX-U	Single-mode	10 km	1310 nm	1550 nm
DEM-331T	1000BASE-BX-D	Single-mode	40 km	1550 nm	1310 nm
DEM-331R	1000BASE-BX-U	Single-mode	40 km	1310 nm	1550 nm

WDM (BiDi) SFP+ Transceivers

<u>Product Code</u>	<u>Standard</u>	<u>Mode</u>	<u>Distance</u>	<u>TX</u>	<u>RX</u>
DEM-436XT-BXD	10GBASE-LR	Single-mode	20 km	1330 nm	1270 nm
DEM-436XT-BXU	10GBASE-LR	Single-mode	20 km	1270 nm	1310 nm

SFP+ Direct Attached Cables (DAC)

<u>Product Code</u>	<u>Standard</u>	<u>Cable</u>	<u>Dist.</u>	<u>Wire</u>	<u>Ω</u>	<u>Amps</u>
DEM-CB100S	10G SFP+	Twinaxial	1 m	30 AWG	100 Ω	0.5 A
DEM-CB300S	10G SFP+	Twinaxial	3 m	30 AWG	100 Ω	0.5 A
DEM-CB700S	10G SFP+	Twinaxial	7 m	30 AWG	100 Ω	0.5 A

Supported SFP/SFP+/QSFP+/SFP28 Transceivers						
QSFP+ Fiber Transceivers						
<u>Product Code</u>	<u>Standard</u>	<u>Mode</u>	<u>Distance</u>	<u>TX</u>	<u>RX</u>	
DEMQX01Q-SR4	40GBASE-SR4	Multi-mode	150 m	850 nm		
DEMQX10Q-LR4	40GBASE-LR4	Single-mode	10 km	L0 = 1271 nm L1 = 1291 nm L2 = 1311 nm L4 = 1331 nm		
QSFP28 Fiber Transceivers						
<u>Product Code</u>	<u>Standard</u>	<u>Mode</u>	<u>Distance</u>	<u>TX</u>	<u>RX</u>	
DEM-Q2801Q-SR4	100GBASE-SR4	Multi-mode	100 m	850 nm		
DEM-Q2801Q-LR4	100GBASE-LR4	Single-mode	10 km	L0 = 1295.56 nm L1 = 1301.05 nm L2 = 1304.58 nm L3 = 1309.14 nm		
QSFP28 Direct Attached Cables (DAC)						
<u>Product Code</u>	<u>Standard</u>	<u>Cable</u>	<u>Dist.</u>	<u>Wire</u>	<u>Ω</u>	<u>Amps</u>
DEM-CB100Q28	100G QSFP28	Twinaxial	1 m	30 AWG	100 Ω	0.5 A

Certifications	
EMC Certifications	CE Class A, FCC Class A, VCCI Report Class A, C-Tick Report Class A, BSMI
Safety Certifications	UL Mark (62368-1), CB Report (IEC60950-1), CB Report (IEC62368-1), LVD Report (62368-1), BSMI

Appendix B - Cables and Connectors

Ethernet Cable

When connecting the Switch to another switch, a bridge, or hub, a straight-through Category 5/5e/6a/7 cable is necessary. The following diagrams and tables show the standard RJ45 receptacle/connector and their pin assignments.

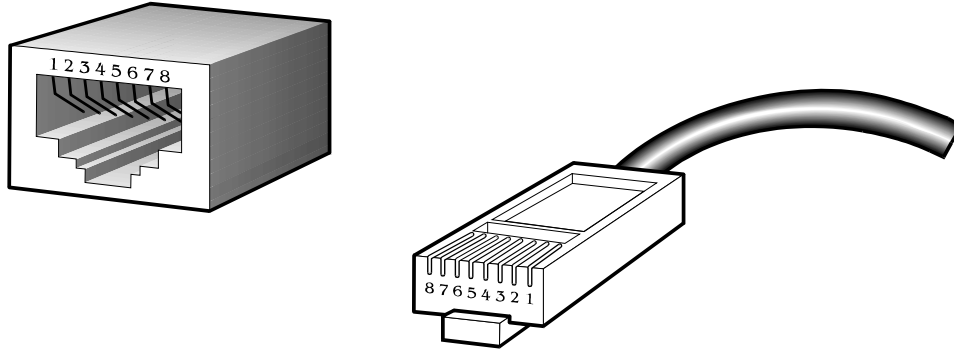


Figure B-1 Standard RJ45 port and connector

RJ45 Pin Assignment:

Contact	MDI-X Port	MDI-II Port
1	RD+ (receive)	TD+ (transmit)
2	RD - (receive)	TD - (transmit)
3	TD+ (transmit)	RD+ (receive)
4	1000BASE-T/10GBASE-T	1000BASE-T/10GBASE-T
5	1000BASE-T/10GBASE-T	1000BASE-T/10GBASE-T
6	TD - (transmit)	RD- (receive)
7	1000BASE-T/10GBASE-T	1000BASE-T/10GBASE-T
8	1000BASE-T/10GBASE-T	1000BASE-T/10GBASE-T

Console Cable

A console cable is used to connect to the RJ45 console port of the Switch to access the command line interface. The following diagram and table show the standard RJ45 to RS-232 cable and pin assignments.

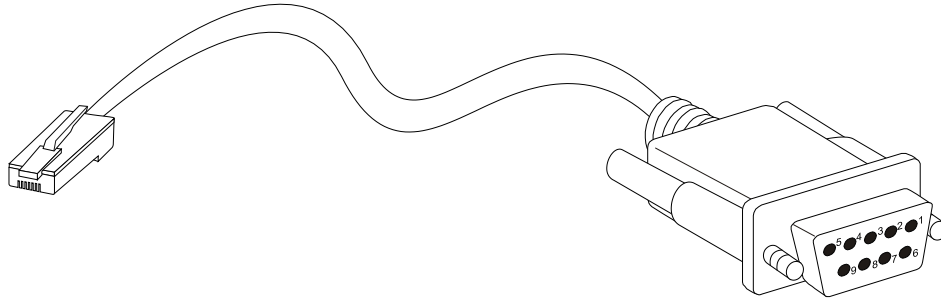


Figure B-2 Console to RJ45 Cable

RJ45 To RS-232 Cable Pin Assignment Table:

Contact	Console (DB9/RS232)	RJ45
1	Not Used	Not Used
2	RXD	Not Used
3	TXD	TXD
4	Not Used	GND
5	GND (shared)	GND
6	Not Used	RXD
7	Not Used	Not Used
8	Not Used	Not Used

Safety/Sécurité

Safety Instructions

Consignes de sécurité

General Precautions for Rack-Mountable Products

Protecting Against Electrostatic Discharge

Safety Instructions

Please pay careful attention to the following safety guidelines to ensure your own personal safety and to help protect your system from potential damage.

Safety Cautions

To greatly reduce the risk of physical injury, electrical shock, fire, and damage to equipment, observe the following precautions.

Observe and follow service markings.

- Do not attempt to service any product, except when it is explained in the system's documentation.
- Opening or removing covers, marked with a high voltage sign, may expose the user to electrical shock.
- Only a trained service technician should service components inside these compartments.

If any of the following conditions occur, unplug the product from the electrical outlet and replace the part or contact your trained service provider:

- Damage to the power cable, extension cable, or plug.
- An object has fallen into the product.
- The product has been exposed to water.
- The product has been dropped or damaged.
- The product does not operate correctly when the operating instructions are correctly followed.

General safety cautions:

- Electrical Hazard: Only qualified personnel should perform installation procedures.
- Before servicing, disconnect all power cords to remove power from the device.
- Keep the system away from radiators and heat sources. Also, do not block cooling vents.
- Do not spill food or liquids on system components, and never operate the product in a wet environment. If the system gets wet, contact your trained service provider.
- Do not push any objects into the openings of the system. Doing so can cause fire or electric shock by shorting out interior components.
- Only use this product with approved equipment.
- Allow the product to cool before removing the cover or touching internal components.
- Operate the product only from the type of external power source indicated on the electrical ratings label. If unsure of the type of power source required, consult your service provider or local power company.
- Be sure that attached devices are electrically rated to operate with the power available in your location.
- Use only approved power cable(s). If you have not been provided with a power cable for your system or for any AC-powered option intended for your system, purchase a power cable that is approved for use in your country. The power cable must be rated for the product and for the voltage and current marked on the product's electrical ratings label. The voltage and current rating of the cable should be greater than the ratings marked on the product.
- To help prevent electric shock, plug the system and peripheral power cables into properly grounded electrical outlets. These cables are equipped with three-prong plugs to help ensure proper grounding. Do not use adapter plugs or remove the grounding prong from a cable. If using an extension cable is necessary, use a 3-wire cable with properly grounded plugs.

- Observe the extension cable and power strip ratings. Make sure that the total ampere rating of all products plugged into the extension cable or power strip does not exceed 80 percent of the ampere ratings limit for the extension cable or power strip.
- To help protect the system from sudden, transient increases and decreases in electrical power, use a surge suppressor, line conditioner, or uninterruptible power supply (UPS).
- Position system cables and power cables carefully. Route cables so that they cannot be stepped on or tripped over. Be sure that nothing rests on any cables.
- Do not modify power cables or plugs. Consult a licensed electrician or your power company for site modifications. Always follow your local or national wiring rules.

When connecting or disconnecting power to and from hot-pluggable power supplies, observe the following guidelines:

- Install the power supply before connecting the power cable to the power supply.
- Unplug the power cable before removing the power supply.
- If the system has multiple sources of power, disconnect power from the system by unplugging all power cables from the power supplies.
- Move products with care and ensure that all casters and stabilizers are firmly connected to the system. Avoid sudden stops and uneven surfaces.

To help avoid damage to the system, be sure that the voltage selection switch, on the power supply, is set to match the power available at the Switch's location:

- 115V/60Hz is used mostly in North and South America as well as Far Eastern countries like as South Korea and Taiwan
- 100V/50Hz is used mostly in Eastern Japan and 100V/60Hz in Western Japan
- 230V/50Hz is used mostly in Europe, the Middle East, Africa and the Far East



CAUTION: Risk of Explosion if Battery is replaced by an Incorrect Type. Dispose of Used Batteries According to the Instructions.

ATTENTION : Risque d'explosion si la batterie est remplacée par un type incorrect. Jetez les piles usagées selon les instructions.

警告：如果更換不正確之電池型式會有爆炸的風險。請依製造商說明書處理用過之電池。

Consignes de sécurité

Veuillez prêter une attention particulière aux consignes de sécurité suivantes pour assurer votre sécurité personnelle et protéger votre système des dommages potentiels.

Précautions de sécurité

Pour réduire considérablement les risques de blessure physique, de choc électrique, d'incendie et de détérioration du matériel, observez les précautions suivantes.

Observez et respectez les marquages relatifs à l'entretien et/ou aux réparations.

- N'essayez pas de réparer un produit, sauf si cela est expliqué dans la documentation du système.
- L'ouverture ou le retrait des capots, signalés par un symbole de haute tension, peut exposer l'utilisateur à un choc électrique.
- Seul un technicien de maintenance qualifié est habilité à réparer les composants à l'intérieur de ces compartiments.

Si l'un des cas suivants se produit, débranchez l'appareil du secteur et remplacez la pièce concernée ou contactez votre prestataire de services agréé.

- Endommagement du câble d'alimentation, du câble de rallonge ou de la fiche.

- Un objet est tombé dans le produit.
- Le produit a été exposé à l'eau.
- Le produit est tombé ou a été endommagé.
- Le produit ne fonctionne pas correctement lorsque les instructions d'utilisation sont correctement suivies.

Précautions générales de sécurité:

- Danger électrique: Seul le personnel qualifié doit effectuer les procédures d'installation.
- Avant de procéder à l'entretien, débranchez tous les cordons d'alimentation pour mettre le périphérique hors tension.
- Eloignez le système des radiateurs et des sources de chaleur. Par ailleurs, n'obturez pas les fentes d'aération.
- Ne versez pas de liquide sur les composants du système et n'introduisez pas de nourriture à l'intérieur. Ne faites jamais fonctionner l'appareil dans un environnement humide. Si le système est mouillé, contactez votre prestataire de services qualifié.
- N'insérez aucun objet dans les fentes de l'appareil. Vous risqueriez de provoquer un incendie ou un choc électrique en court-circuitant les composants internes.
- Utilisez ce produit uniquement avec un équipement approuvé.
- Laissez l'appareil refroidir avant de déposer le capot ou de toucher les composants internes.
- Faites fonctionner le produit uniquement avec la source d'alimentation indiquée sur l'étiquette signalétique où figurent les caractéristiques électriques nominales. Si vous ne savez pas avec certitude quel type de source d'alimentation est requis, consultez votre prestataire de services ou votre compagnie d'électricité.
- Assurez-vous que les caractéristiques nominales des appareils branchés correspondant à la tension du réseau électrique.
- Utilisez uniquement des câbles d'alimentation homologués. Si un câble d'alimentation n'est pas fourni pour le système ou pour un composant/accessoire alimenté par CA destiné au système, procurez-vous un câble d'alimentation homologué pour une utilisation dans votre pays. Le câble d'alimentation doit être adapté à l'appareil et ses caractéristiques nominales doivent correspondre à celles figurant sur l'étiquette du produit. La tension et le courant nominaux du câble doivent être supérieurs aux valeurs nominales indiquées sur l'appareil.
- Pour éviter tout risque de choc électrique, branchez les câbles d'alimentation du système et des périphériques à des prises électriques correctement mises à la masse. Ces câbles sont équipés de fiches à trois broches pour garantir une mise à la masse appropriée. N'utilisez pas d'adaptateur de prise, et n'éliminez pas la broche de mise à la masse du câble. Si un câble de rallonge est nécessaire, utilisez un câble à 3 fils avec des fiches correctement mises à la terre.
- Respectez les caractéristiques nominales de la rallonge ou du bloc multiprise. Assurez-vous que l'intensité nominale totale de tous les produits branchés à la rallonge ou au bloc multiprise ne dépasse pas 80 % de l'intensité nominale limite de la rallonge ou du bloc multiprise.
- Pour protéger le système contre les pics et les chutes de tension transitoires et soudains, utilisez un parasurtenseur, un filtre de secteur ou une alimentation sans interruption (ASI).
- Positionnez les câbles système et les câbles d'alimentation avec soin. Acheminez les câbles de manière à ce qu'ils ne puissent pas être piétinés ou trébuchés. Veillez à ce que rien ne repose sur les câbles.
- Ne modifiez pas les câbles ou les fiches d'alimentation. Contactez un électricien qualifié ou la compagnie d'électricité si des modifications sur site sont nécessaires. Respectez toujours la réglementation locale ou nationale en matière de câblage.

Lors de la connexion ou de la déconnexion de l'alimentation vers et depuis des blocs d'alimentation enfichables à chaud, respectez les consignes suivantes:

- Installez l'alimentation avant d'y brancher le câble d'alimentation.
- Débranchez le câble d'alimentation avant de couper l'alimentation.
- Si le système possède plusieurs sources d'alimentation, mettez-le hors tension en débranchant tous les câbles d'alimentation des prises.
- Déplacez les appareils avec précaution et assurez-vous que les roulettes et/ou que les pieds stabilisateurs sont bien fixés au système. Évitez les arrêts brusques et les surfaces inégales.

Pour éviter d'endommager le système, assurez-vous que le commutateur de sélection de tension de l'alimentation est réglé sur l'alimentation disponible à l'emplacement du commutateur:

- 115 V/60 Hz est principalement utilisé en Amérique du Nord et du Sud, ainsi que dans des pays d'Extrême-Orient tels que la Corée du Sud et Taïwan.

- 100 V/50 Hz est utilisé principalement dans l'est du Japon et 100 V/ 60 Hz dans l'ouest du Japon.
- 230 V/50 Hz est principalement utilisé en Europe, au Moyen-Orient, en Afrique et en Extrême-Orient.

General Precautions for Rack-Mountable Products

Please pay careful attention to the following precautions concerning rack stability and safety. Systems are considered to be components in a rack. Thus, a component refers to any system, as well as to various peripherals or supporting hardware:



CAUTION: Installing systems in a rack without the front and side stabilizers installed could cause the rack to tip over, potentially resulting in bodily injury under certain circumstances. Therefore, always install the stabilizers before installing components in the rack. After installing system/components in a rack, never pull more than one component out of the rack on its slide assemblies at one time. The weight of more than one extended component could cause the rack to tip over and may result in serious injury.

ATTENTION : Le montage de systèmes sur un rack dépourvu de pieds stabilisateurs avant et latéraux peut faire basculer le rack, pouvant causer des dommages corporels dans certains cas. Par conséquent, installez toujours les pieds stabilisateurs avant de monter des composants sur le rack. Après l'installation d'un système ou de composants dans un rack, ne sortez jamais plus d'un composant à la fois hors du rack sur ses glissières. Le poids de plusieurs composants sur les glissières en extension peut faire basculer le rack, pouvant causer de graves dommages corporels.

- Before working on the rack, make sure that the stabilizers are secured to the rack, extended to the floor, and that the full weight of the rack rests on the floor. Install front and side stabilizers on a single rack or front stabilizers for joined multiple racks before working on the rack.
- Always load the rack from the bottom up, and load the heaviest item in the rack first.
- Make sure that the rack is level and stable before extending a component from the rack.
- Use caution when pressing the component rail release latches and sliding a component into or out of a rack; the slide rails can pinch your fingers.
- After a component is inserted into the rack, carefully extend the rail into a locking position, and then slide the component into the rack.
- Do not overload the AC supply branch circuit that provides power to the rack. The total rack load should not exceed 80 percent of the branch circuit rating.
- Ensure that proper airflow is provided to components in the rack.
- Do not step on or stand on any component when servicing other components in a rack.



CAUTION: Never defeat the ground conductor or operate the equipment in the absence of a suitably installed ground conductor. Contact the appropriate electrical inspection authority or an electrician if uncertain that suitable grounding is available.

ATTENTION : Ne neutralisez jamais le conducteur de masse et ne faites jamais fonctionner le matériel en l'absence de conducteur de masse dûment installé. Contactez l'organisme de contrôle en électricité approprié ou un électricien qualifié si vous n'êtes pas sûr qu'un système de mise à la masse adéquat soit disponible.



CAUTION: The system chassis must be positively grounded to the rack cabinet frame. Do not attempt to connect power to the system until grounding cables are connected. Completed power and safety ground wiring must be inspected by a qualified electrical inspector. An energy hazard will exist if the safety ground cable is omitted or disconnected.

ATTENTION : La carcasse du système doit être positivement reliée à la masse du cadre du rack. N'essayez pas de mettre le système sous tension si les câbles de mise à la masse ne sont pas raccordés. Le câblage de l'alimentation et de la mise à la masse de sécurité doit être inspecté par un inspecteur qualifié en électricité. Un risque électrique existe si le câble de mise à la masse de sécurité est omis ou débranché.

Protecting Against Electrostatic Discharge

Static electricity can harm delicate components inside the system. To prevent static damage, discharge static electricity from your body before touching any of the electronic components, such as the microprocessor. This can be done by periodically touching an unpainted metal surface on the chassis.

The following steps can also be taken prevent damage from electrostatic discharge (ESD):

- When unpacking a static-sensitive component from its shipping carton, do not remove the component from the antistatic packing material until ready to install the component in the system. Just before unwrapping the antistatic packaging, be sure to discharge static electricity from your body.
- When transporting a sensitive component, first place it in an antistatic container or packaging.
- Handle all sensitive components in a static-safe area. If possible, use antistatic floor pads, workbench pads and an antistatic grounding strap.

Subject to the terms and conditions set forth herein, D-Link Systems, Inc. ("D-Link") provides this Limited Warranty:

- Only to the person or entity that originally purchased the product from D-Link or its authorized reseller or distributor, and
- Only for products purchased and delivered within the fifty states of the United States, the District of Columbia, U.S. Possessions or Protectorates, U.S. Military Installations, or addresses with an APO or FPO.

Limited Warranty: D-Link warrants that the hardware portion of the D-Link product described below ("Hardware") will be free from material defects in workmanship and materials under normal use from the date of original retail purchase of the product, for the period set forth below ("Warranty Period"), except as otherwise stated herein.

Limited Lifetime Warranty for the product is defined as follows:

- Hardware: For as long as the original customer/end user owns the product, or five (5) years after product discontinuance, whichever occurs first (excluding power supplies and fans)
- Power supplies and fans: Three (3) Year
- Spare parts and spare kits: Ninety (90) days

The customer's sole and exclusive remedy and the entire liability of D-Link and its suppliers under this Limited Warranty will be, at D-Link's option, to repair or replace the defective Hardware during the Warranty Period at no charge to the original owner or to refund the actual purchase price paid. Any repair or replacement will be rendered by D-Link at an Authorized D-Link Service Office. The replacement hardware need not be new or have an identical make, model or part. D-Link may, at its option, replace the defective Hardware or any part thereof with any reconditioned product that D-Link reasonably determines is substantially equivalent (or superior) in all material respects to the defective Hardware. Repaired or replacement hardware will be warranted for the remainder of the original Warranty Period or ninety (90) days, whichever is longer, and is subject to the same limitations and exclusions. If a material defect is incapable of correction, or if D-Link determines that it is not practical to repair or replace the defective Hardware, the actual price paid by the original purchaser for the defective Hardware will be refunded by D-Link upon return to D-Link of the defective Hardware. All Hardware or part thereof that is replaced by D-Link, or for which the purchase price is refunded, shall become the property of D-Link upon replacement or refund.

Limited Software Warranty: D-Link warrants that the software portion of the product ("Software") will substantially conform to D-Link's then current functional specifications for the Software, as set forth in the applicable documentation, from the date of original retail purchase of the Software for a period of ninety (90) days ("Software Warranty Period"), provided that the Software is properly installed on approved hardware and operated as contemplated in its documentation. D-Link further warrants that, during the Software Warranty Period, the magnetic media on which D-Link delivers the Software will be free of physical defects. The customer's sole and exclusive remedy and the entire liability of D-Link and its suppliers under this Limited Warranty will be, at D-Link's option, to replace the non-conforming Software (or defective media) with software that substantially conforms to D-Link's functional specifications for the Software or to refund the portion of the actual purchase price paid that is attributable to the Software. Except as otherwise agreed by D-Link in writing, the replacement Software is provided only to the original licensee, and is subject to the terms and conditions of the license granted by D-Link for the Software. Replacement Software will be warranted for the remainder of the original Warranty Period and is subject to the same limitations and exclusions. If a material non-conformance is incapable of correction, or if D-Link determines in its sole discretion that it is not practical to replace the non-conforming Software, the price paid by the original licensee for the non-conforming Software will be refunded by D-Link; provided that the non-conforming Software (and all copies thereof) is first returned to D-Link. The license granted respecting any Software for which a refund is given automatically terminates.

Non-Applicability of Warranty: The Limited Warranty provided hereunder for Hardware and Software portions of D-Link's products will not be applied to and does not cover any refurbished product and any product purchased through the inventory clearance or liquidation sale or other sales in which D-Link, the sellers, or the liquidators expressly disclaim their warranty obligation pertaining to the product and in that case, the product is being sold "As-Is" without any warranty whatsoever including, without limitation, the Limited Warranty as described herein, notwithstanding anything stated herein to the contrary.

Submitting A Claim: The customer shall return the product to the original purchase point based on its return policy. In case the return policy period has expired and the product is within warranty, the customer shall submit a claim to D-Link as outlined below:

- The customer must submit with the product as part of the claim a written description of the Hardware defect or Software nonconformance in sufficient detail to allow D-Link to confirm the same, along with proof of purchase of the product (such as a copy of the dated purchase invoice for the product) if the product is not registered.
- The customer must obtain a Case ID Number from D-Link Technical Support at 1-877-453-5465, who will attempt to assist the customer in resolving any suspected defects with the product. If the product is considered defective, the customer must obtain a Return Material Authorization ("RMA") number by completing the RMA form and entering the assigned Case ID Number at <https://rma.dlink.com/>.
- After an RMA number is issued, the defective product must be packaged securely in the original or other suitable shipping package to ensure that it will not be damaged in transit, and the RMA number must be prominently marked on the outside of the package. Do not include any manuals or accessories in the shipping package. D-Link will only replace the defective portion of the product and will not ship back any accessories.
- The customer is responsible for all in-bound shipping charges to D-Link. No Cash on Delivery ("COD") is allowed. Products sent COD will either be rejected by D-Link or become the property of D-Link. Products shall be fully insured by the customer and shipped to **D-Link Systems, Inc., 17595 Mt. Hermann, Fountain Valley, CA 92708**. D-Link will not be held responsible for any packages that are lost in transit to D-Link. The repaired or replaced packages will be shipped to the customer via UPS Ground or any common carrier selected by D-Link. Return shipping charges shall be prepaid by D-Link if you use an address in the United States, otherwise we will ship the product to you freight collect. Expedited shipping is available upon request and provided shipping charges are prepaid by the customer.

D-Link may reject or return any product that is not packaged and shipped in strict compliance with the foregoing requirements, or for which an RMA number is not visible from the outside of the package. The product owner agrees to pay D-Link's reasonable handling and return shipping charges for any product that is not packaged and shipped in accordance with the foregoing requirements, or that is determined by D-Link not to be defective or non-conforming.

What Is Not Covered: The Limited Warranty provided herein by D-Link does not cover: Products that, in D-Link's judgment, have been subjected to abuse, accident, alteration, modification, tampering, negligence, misuse, faulty installation, lack of reasonable care, repair or service in any way that is not contemplated in the documentation for the product, or if the model or serial number has been altered, tampered with, defaced or removed; Initial installation, installation and removal of the product for repair, and shipping costs; Operational adjustments covered in the operating manual for the product, and normal maintenance; Damage that occurs in shipment, due to act of God, failures due to power surge, and cosmetic damage; Any hardware, software, firmware or other products or services provided by anyone other than D-Link; and Products that have been purchased from inventory clearance or liquidation sales or other sales in which D-Link, the sellers, or the liquidators expressly disclaim their warranty obligation pertaining to the product. While necessary maintenance or repairs on your Product can be performed by any company, we recommend that you use only an Authorized D-Link Service Office. Improper or incorrectly performed maintenance or repair voids this Limited Warranty.

Disclaimer of Other Warranties: EXCEPT FOR THE LIMITED WARRANTY SPECIFIED HEREIN, THE PRODUCT IS PROVIDED "AS-IS" WITHOUT ANY WARRANTY OF ANY KIND WHATSOEVER INCLUDING, WITHOUT LIMITATION, ANY WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT. IF ANY IMPLIED WARRANTY CANNOT BE DISCLAIMED IN ANY TERRITORY WHERE A PRODUCT IS SOLD, THE DURATION OF SUCH IMPLIED WARRANTY SHALL BE LIMITED TO NINETY (90) DAYS. EXCEPT AS EXPRESSLY COVERED UNDER THE LIMITED WARRANTY PROVIDED HEREIN, THE ENTIRE RISK AS TO THE QUALITY, SELECTION AND PERFORMANCE OF THE PRODUCT IS WITH THE PURCHASER OF THE PRODUCT.

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Governing Law: This Limited Warranty shall be governed by the laws of the State of California. Some states do not allow exclusion or limitation of incidental or consequential damages, or limitations on how long an implied warranty lasts, so the foregoing limitations and exclusions may not apply. This Limited Warranty provides specific legal rights and you may also have other rights which vary from state to state.

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CE Mark Warning: This is a Class A product. In a residential environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

FCC Statement: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a commercial installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communication. However, there is no guarantee that interference will not occur in a particular installation. Operation of this equipment in a residential environment is likely to cause harmful interference to radio or television reception. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

For detailed warranty information applicable to products purchased outside the United States, please contact the corresponding local D-Link office.

Product Registration

Register your D-Link product online at <http://support.dlink.com/register/>

Product registration is entirely voluntary and failure to complete or return this form will not diminish your warranty rights.

Technical Support

U.S. and Canadian customers

This guide is only for initial configuration. Please refer to the user manual to learn more or visit <http://www.mydlink.com> for more information. Also feel free to contact us. U.S. and Canadian customers can contact D-Link Technical Support through our website.

USA

<http://support.dlink.com>

Canada

<http://support.dlink.ca>

Europe customers

TECHNICAL SUPPORT	eu.dlink.com/support
TECHNISCHE UNTERSTÜTZUNG	
ASSISTANCE TECHNIQUE	
ASISTENCIA TÉCNICA	
SUPPORTO TECNICO	
TECHNISCHE ONDERSTEUNING	
POMOC TECHNICZNA	
TECHNICKÁ PODPORA	
TECHNIKAI TÁMOGATÁS	
TEKNISK STØTTE	
TEKNISK SUPPORT	
TEKNINEN TUKI	
TEKNISK SUPPORT	
ASSISTÊNCIA TÉCNICA	
ΤΕΧΝΙΚΗ ΥΠΟΣΤΗΡΙΞΗ	
TEHNIČKA PODRŠKA	
TEHNIČNA PODPORA	
SUPPORT TEHNIC	
ТЕХНИЧЕСКА ПОДДРЪЖКА	
TECHNICKÁ PODPORA	

Australia customers

Tel: 1300-700-100

24/7 Technical Support

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India customers

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Web: in.dlink.com

E-Mail: helpdesk@in.dlink.com

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Indonesia - www.dlink.co.id

Malaysia - www.dlink.com.my

Philippines - www.dlink.com.ph

Vietnam - www.dlink.com.vn

Korea customers

Tel : 1899-3540

Monday to Friday 9:30am to 6:30pm

Web : <http://d-link.co.kr>

E-mail : support@kr.dlink.com

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E-mail: support@dlink.co.nz

South Africa and Sub Sahara Region customers

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08600 DLINK (for South Africa only)

Monday to Friday 8:30am to 9:00pm South Africa Time

Web: <http://www.d-link.co.za>

E-mail: support@za.dlink.com

D-Link Middle East

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Fax: +971-4-8809066 / 8809069

Technical Support: +971-4-8809033

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Kingdom of Saudi Arabia:

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Tech Support: support.me@me.dlink.com

Kuwait:

Tech Support: kuwait@me.dlink.com

Техническая Поддержка

Обновления программного обеспечения и документация доступны на Интернет-сайте D-Link.

D-Link предоставляет бесплатную поддержку для клиентов в течение гарантийного срока.

Клиенты могут обратиться в группу технической поддержки D-Link по телефону или через Интернет.

Техническая поддержка компании D-Link работает в круглосуточном режиме ежедневно, кроме официальных праздничных дней. Звонок бесплатный по всей России.

Техническая поддержка D-Link:

8-800-700-5465

Техническая поддержка через Интернет:

<http://www.dlink.ru>

e-mail: support@dlink.ru

Изготовитель:

Д-Линк Корпорейшн, 114, Тайвань, Тайпей, Нэйху Дистрикт, Шинху 3-Роуд, № 289

Уполномоченный представитель, импортер:

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ישראל

20 רח המגשימים

קרית מטלון

פתח תקווה

072-2575555

support@dlink.co.il

Soporte Técnico Para Usuarios En Latino America

Por favor revise el número telefónico del Call Center de su país en <http://www.dlinkla.com/soporte/call-center>

Soporte Técnico de D-Link a través de Internet

Horario de atención Soporte Técnico en www.dlinkla.com
e-mail: soporte@dlinkla.com & consultas@dlinkla.com

Clientes de Brasil

Caso tenha dúvidas na instalação do produto, entre em contato com o Suporte Técnico D-Link.

Acesse o site: **www.dlink.com.br/suporte**

D-Link 友訊科技 台灣分公司 技術支援資訊

如果您還有任何本使用手冊無法協助您解決的產品相關問題，台灣、香港或是澳門用戶可至網站、電子郵件或電話等方式與D-Link技術支援工程師聯絡。

台灣D-Link免付費技術諮詢專線

台灣技術諮詢服務專線 0800-002-615

台灣手機付費電話 (02) 6600-0123#8715

台灣網站：<http://www.dlink.com.tw>

台灣電子郵件：dssqa_service@dlink.com.tw

產品保固期限、台灣技術諮詢時間、維修據點查詢，請參考<http://www.dlink.com.tw> 網頁說明

香港、澳門D-Link技術諮詢專線

香港技術諮詢服務專線 (852) 8100 8892

香港網站：<http://www.dlink.com.hk>

香港電子郵件：service@cn.synnex-grp.com

香港、澳門維修據點查詢請參考<http://www.dlink.com.hk/contact.html> 網頁說明。

如果您是其他地區的用戶，請參考D-Link網站www.dlink.com 查詢全球各地分公司的聯絡資訊以取得相關支援服務。



立即掃描QR code

了解更多
服務資訊

Pelanggan Indonesia

Update perangkat lunak dan dokumentasi pengguna dapat diperoleh pada situs web D-Link.

Dukungan Teknis untuk pelanggan:

Tel: 0800-14014-97 (Layanan Bebas Pulsa)

Dukungan Teknis D-Link melalui Internet:

Pertanyaan Umum: sales@id.dlink.com

Bantuan Teknis: support@id.dlink.com

Website : <http://www.dlink.co.id>

日本のお客様

この度は弊社製品をお買い上げいただき、誠にありがとうございます。

製品に同梱されている保証書の購入元にお問い合わせください。

中国客户

技术支持中心电话：

400-629-6688(家用產品热线) 4006-828-828(企业產品热线)

技术支持中心邮箱：dlink400@cn.dlink.com

各地维修中心地址请登录官方网站查询

网址：<http://www.dlink.com.cn>

400电话工作时间：工作日9:00-19:00；节假日9:00-18:00

Registration Card

All Countries and Regions Excluding USA

Print, type or use block letters.

Your name: Mr./Ms _____

Organization: _____ Dept. _____

Your title at organization: _____

Telephone: _____ Fax: _____

Organization's full address: _____

Country: _____

Date of purchase (Month/Day/Year): _____

Product Model	Product Serial No.	* Product installed in type of computer	* Product installed in computer serial No.

(* Applies to adapters only)

Product was purchased from:

Reseller's name: _____

Telephone: _____

Answers to the following questions help us to support your product:

1. Where and how will the product primarily be used?

☐Home ☐Office ☐Travel ☐Company Business ☐Home Business ☐Personal Use

2. How many employees work at installation site?

☐1 employee ☐2-9 ☐10-49 ☐50-99 ☐100-499 ☐500-999 ☐1000 or more

3. What network protocol(s) does your organization use ?

☐XNS/IPX ☐TCP/IP ☐DECnet ☐Others _____

4. What network operating system(s) does your organization use ?

☐D-Link LANsmart ☐Novell NetWare ☐NetWare Lite ☐SCO Unix/Xenix ☐PC NFS ☐3Com 3+Open ☐Cisco Network
☐Banyan Vines ☐DECnet Pathwork ☐Windows NT ☐Windows 98 ☐Windows 2000/ME ☐Windows XP
☐Others _____

5. What network management program does your organization use ?

☐D-View ☐HP OpenView/Windows ☐HP OpenView/Unix ☐SunNet Manager ☐Novell NMS
☐NetView 6000 ☐Others _____

6. What network medium/media does your organization use ?

☐Fiber-optics ☐Thick coax Ethernet ☐Thin coax Ethernet ☐10BASE-T UTP/STP
☐100BASE-TX ☐1000BASE-T ☐Wireless 802.11b and 802.11g ☐wireless 802.11a ☐Others _____

7. What applications are used on your network?

☐Desktop publishing ☐Spreadsheet ☐Word processing ☐CAD/CAM
☐Database management ☐Accounting ☐Others _____

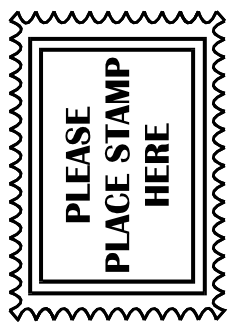
8. What category best describes your company?

☐Aerospace ☐Engineering ☐Education ☐Finance ☐Hospital ☐Legal ☐Insurance/Real Estate ☐Manufacturing
☐Retail/Chain store/Wholesale ☐Government ☐Transportation/Utilities/Communication ☐VAR
☐System house/company ☐Other _____

9. Would you recommend your D-Link product to a friend?

☐Yes ☐No ☐Don't know yet

10. Your comments on this product?



TO:

Three vertical lines for an address.

D-Link®