Indoor/Outdoor 5-Port PoE Gigabit Switch with 802.3bt Input Power Support

Auto-Sensing IEEE 802.3af PoE Ports

Lightweight, Weatherproof Housing

Indoor/Outdoor Design with Versatile Mounts

Overview

Build and expand your network with the UniFi® Switch Flex, model USW-Flex. It is a configurable Layer 2 Gigabit switch with auto-sensing 802.3af PoE. Five RJ45 Gigabit Ethernet ports provide one PoE input and four PoE output links to your devices.

Switching Performance

The USW-Flex offers the forwarding capacity to simultaneously process traffic on all ports at line rate without any packet loss.

PoE Flexibility

The USW-Flex features five Gigabit RJ45 ports to deliver robust performance and intelligent switching for your network.

Port 1 provides PoE input while ports 2-4 offer 802.3af PoE and provide up to 15W of power for your PoE devices. Products requiring 802.3af, such as G3 Flex cameras, are supported.

Indoor/Outdoor Design

The USW-Flex can be installed horizontally or vertically and offers versatile mounting options: desktop, wall, and pole.
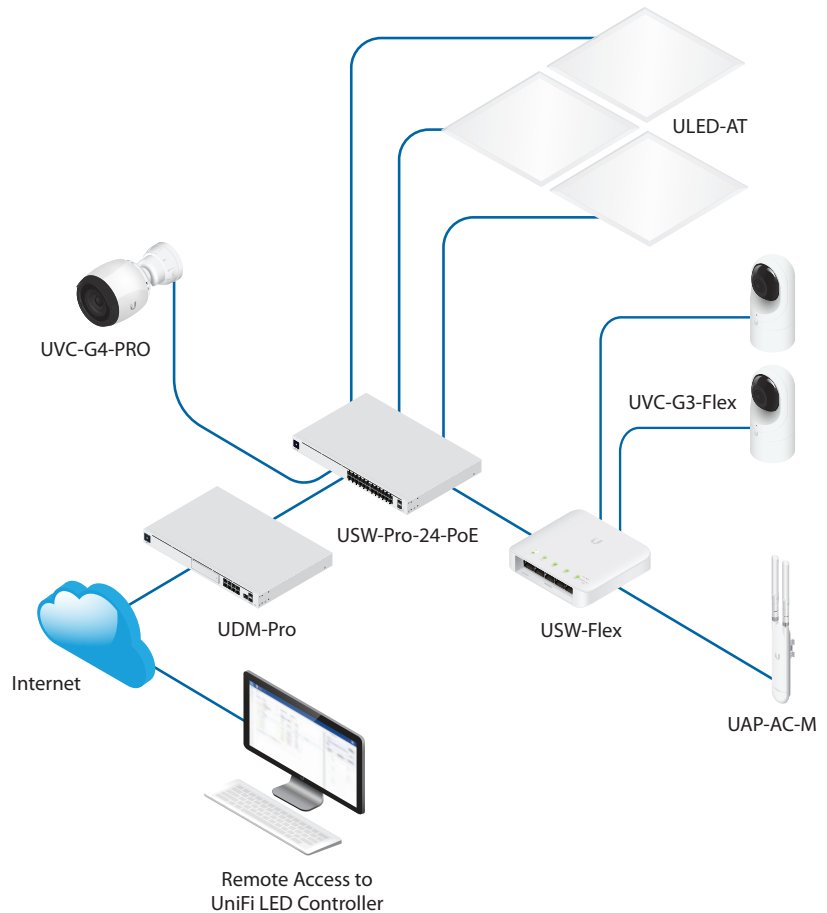
The weather-resistant USW-Flex can withstand extreme temperature variations. If the USW-Flex is installed at an exposed location outdoors, we recommend the UniFi Switch Flex Utility, model USW-Flex-Utility, which is designed for use with the USW-Flex.

Outdoor Enclosure Accessory

An outdoor weatherproof enclosure, the USW Flex Utility, is available as an optional accessory. It includes an Ethernet patch cable and a 60W PoE adapter, which provides a maximum PoE budget of 46W.

Easily mounted on a pole, the USW Flex Utility provides clean cable management and a screw lock for security.

Deployment Example

The USW-Flex is powering the AC Mesh Access Point and multiple UVC-G3-Flex cameras..

UniFi® | SWITCH Flex

Scalable UniFi Network Controller

Management Capabilities

The UniFi Network Controller can provision UniFi devices, map out networks, and quickly manage system traffic. Important network details are logically organized for a simplified, yet powerful, interface.

Network Overview

From a single pane of glass, view network topology and configuration, real-time statistics, and debugging metrics. Monitor your network's vitals and make on-the-fly adjustments as needed.

Multi-Site Management

A single controller running in the cloud can manage multiple sites: multiple, distributed deployments and multi-tenancy for managed service providers. Each site is logically separated and has its own configuration, maps, statistics, guest portal, and administrator accounts.

Deep Packet Inspection

Ubiquiti's proprietary Deep Packet Inspection (DPI) engine includes the latest application identification signatures to track which applications (and IP addresses) are using the most bandwidth.

Detailed Analytics

The UniFi Network Controller provides configurable reporting and analytics to manage large user populations and expedite troubleshooting. Advanced search and sorting capabilities make network management more efficient.

Switch Port Status

You can also view status information for each port:

- Connection speed and duplex mode
- TX/RX data rates
- Network/VLAN setting

Switch Configuration

You can access any managed UniFi Switch through the UniFi Controller to configure a variety of features:

- Operation mode (switching or mirroring) per port
- Network/VLAN configuration
- Jumbo frame services
- Network settings
- Debug terminal option for command-line interface

Software Features

The UniFi Network Controller software offers the following features:

- Centralized configuration management (including configuration cloning)
- Auto-MDIX automatically adjusts as needed for straight through or crossover cable

Download on the App Store

GET IT ON Google Play

UniFi® | SWITCH Flex

USW-Flex	
Dimensions	122.5 x 107.1 x 28.0 mm (4.82 x 4.22 x 1.10")
Weight	230 g (8.11 oz)
Networking Interfaces	(5) 10/100/1000 Mbps RJ45 Ports
Management Interface	Ethernet In-Band
PoE Out (Ports 2-5)	802.3af (Pins 1, 2+; 3, 6-)
Max Power Consumption (Excluding PoE Output)	5W
Max PoE Wattage Per Port	15.4W
Total PoE Power Budget Powered by 802.3af Powered by 802.3at Powered by 802.3bt Powered by PoE Adapter (Enabled in Controller)	8W 20W 46W 46W
Voltage Range 802.3af 802.3at/bt	44 - 57V 50 - 57V
LEDs System RJ45 Data Ports	Status PoE; Link/Speed/Activity
ESD/EMP Protection	± 16kV Air, ± 16kV Contact
Operating Temperature 46W PoE Output 25W PoE Output	-40 to 55° C (-40 to 131° F) -40 to 65° C (-40 to 149° F)
Operating Humidity	5 to 95% Noncondensing
Certifications	CE, FCC, IC

Power Method (Port 1)		
PoE Type	802.3af/at (Pins 1, 2+; 3, 6-)	802.3bt (Pins 1, 2+; 3, 6- and 4, 5+; 7, 8-)	50V/60W PoE Adapter*
Recommended PoE Source	USW-24-PoE (sold separately)	USW-Pro-24-PoE (sold separately)	PoE Injector, POE-50-60W-WH or POE-50-60W (sold separately)

* To enable PoE output power, select **Power Source > PoE Injector** in UniFi Controller.

USW-Flex-Utility*	
Dimensions (with Mount)	249 x 218 x 60 mm (9.80 x 8.58 x 2.36")
Weight (with Mount)	740 g (26.10 oz)

USW-Flex-Utility 60W PoE Adapter	
Dimensions	118.5 x 63 x 34.7 mm (4.66 x 2.48 x 1.36")
Weight	206 g (7.27 oz)
Output Voltage	54V, 1.11A
Rated Voltage	100-240VAC
Input Current	1.5A (Max.)
Efficiency	> 86%
Output Ripple	200mVpp
Line Regulation	< 1%
Load Regulation	< 3%
4-Pair Powering	Pins 1, 2, 4, 5+ and Pins 3, 6, 7, 8-
Operating Temperature	-20 to 60° C (-4 to 140° F)
Storage Temperature	-30 to 70° C (-22 to 158° F)
Operating Humidity	5 to 90%, Noncondensing
Surge Immunity	4kV Difference and Common Mode

* Accessory sold separately.