



## 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.

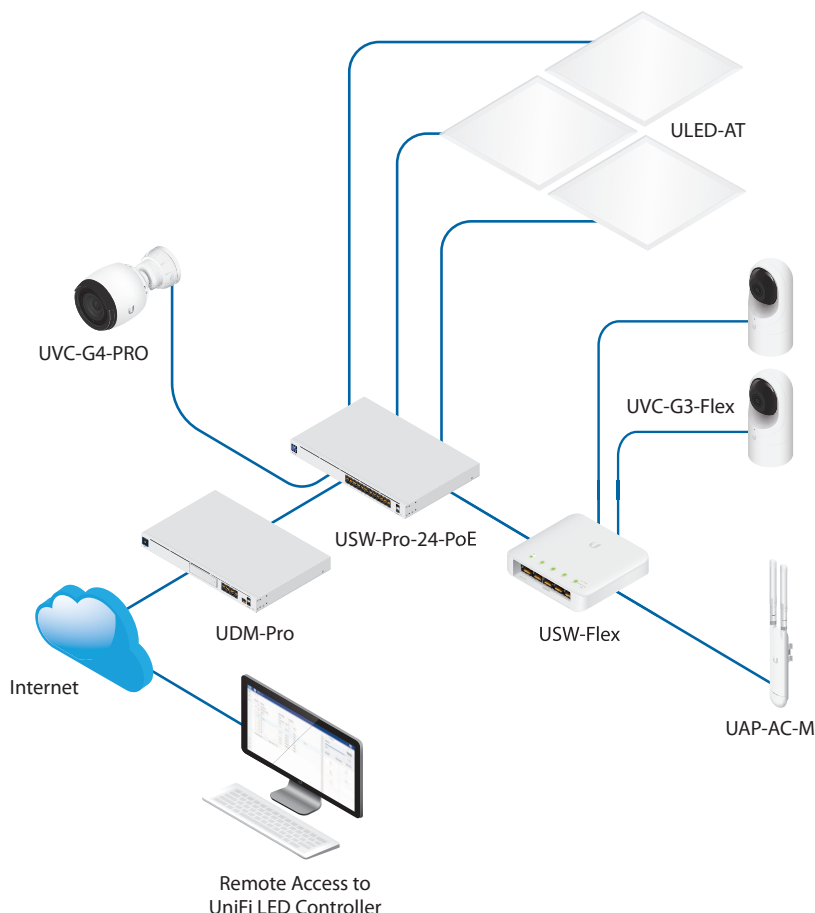
The weather-resistant USW-Flex can withstand extreme temperature variations. If the USW-Flex is installed at an exposed location outdoors, we recommend the UniFi Switch Flex Utility, model USW-Flex-Utility, which is designed for use with the USW-Flex.

## Outdoor Enclosure Accessory

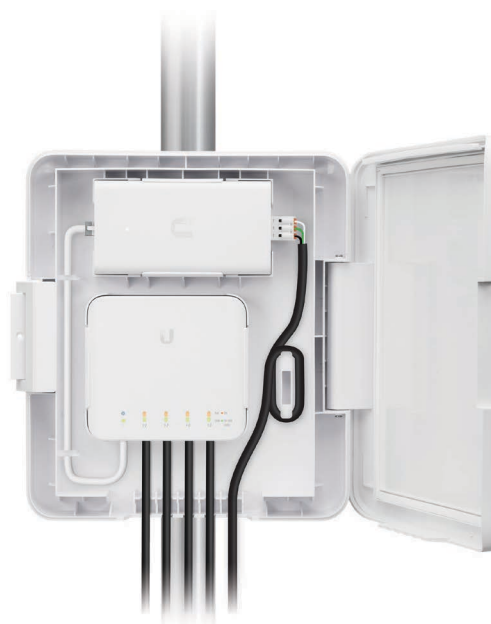
An outdoor weatherproof enclosure, the USW Flex Utility, is available as an optional accessory. It includes an Ethernet patch cable and a 60W PoE adapter, which provides a maximum PoE budget of 46W.

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..*





## 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



| USW-Flex                                          |                                                  |
|---------------------------------------------------|--------------------------------------------------|
| Dimensions                                        | 122.5 x 107.1 x 28.0 mm<br>(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<br>(Excluding PoE Output)   | 5W                                               |
| Max PoE Wattage Per Port                          | 15.4W                                            |
| Total PoE Power Budget                            |                                                  |
| Powered by 802.3af                                | 8W                                               |
| Powered by 802.3at                                | 20W                                              |
| Powered by 802.3bt                                | 46W                                              |
| Powered by PoE Adapter<br>(Enabled in Controller) | 46W                                              |
| Voltage Range                                     |                                                  |
| 802.3af                                           | 44 - 57V                                         |
| 802.3at/bt                                        | 50 - 57V                                         |
| LEDs                                              |                                                  |
| System                                            | Status                                           |
| RJ45 Data Ports                                   | PoE; Link/Speed/Activity                         |
| ESD/EMP Protection                                | ± 16kV Air, ± 16kV Contact                       |
| Operating Temperature                             |                                                  |
| 46W PoE Output                                    | -40 to 55° C (-40 to 131° F)                     |
| 25W PoE Output                                    | -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<br>(Pins 1, 2+; 3, 6-) | 802.3bt<br>(Pins 1, 2+; 3, 6-<br>and 4, 5+; 7, 8-) | 50V/60W<br>PoE Adapter*                                              |
| Recommended<br>PoE Source | USW-24-PoE<br>(sold separately)   | USW-Pro-24-PoE<br>(sold separately)                | PoE Injector,<br>POE-50-60W-WH or<br>POE-50-60W<br>(sold separately) |

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

