UniFi® | SWITCH Flex

DATASHEET



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

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Overview

Build and expand your network with the UniFi® Switch, model USW-Flex. The USW-Flex is a configurable Layer 2 Gigabit switch with auto-sensing 802.3af PoE. It offers five RJ45 Gigabit Ethernet ports, providing 1 PoE input and 4 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.

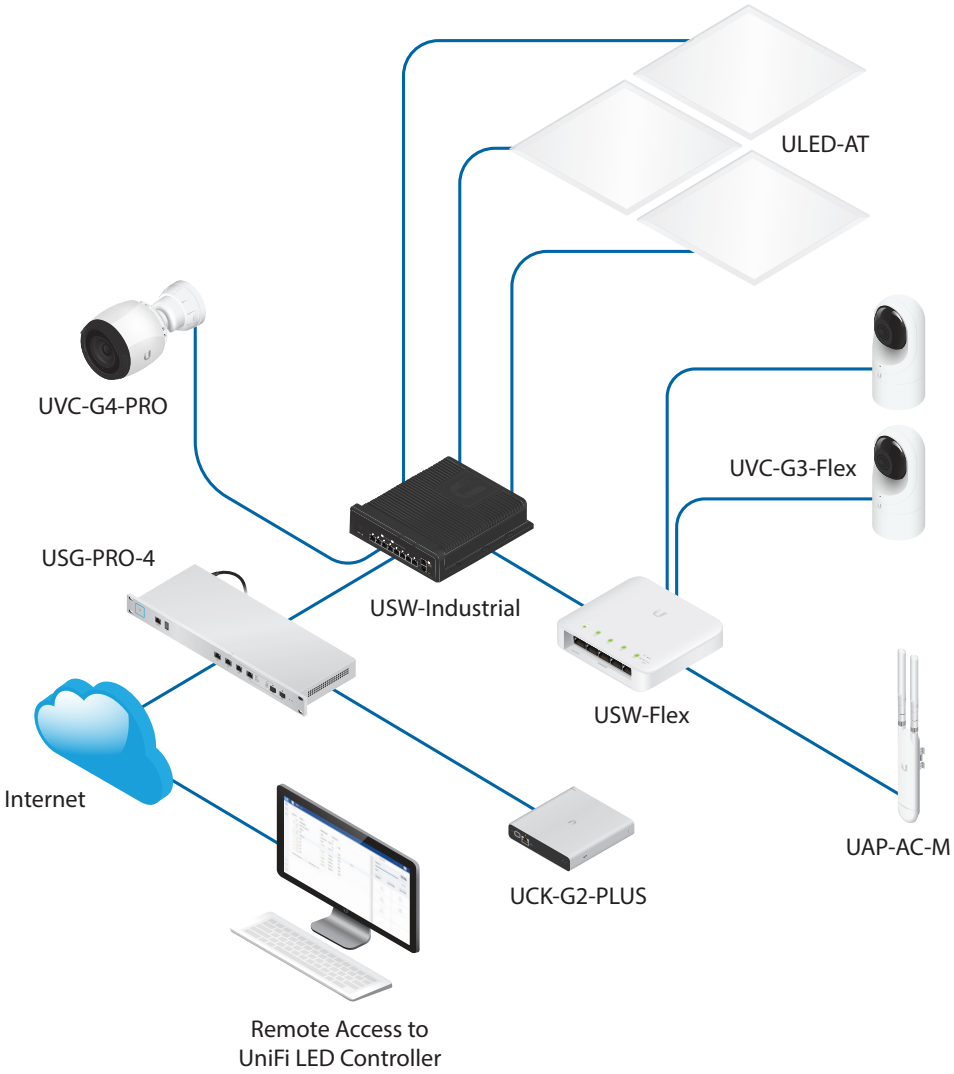
Port 1 provides PoE Input while ports 2-4 offer 802.3af PoE and provide up to 15W of power for your PoE devices. Products requiring 802.3af, such as G3 Flex cameras, are also supported.

Indoor/Outdoor Design

The USW-Flex can be installed horizontally or vertically and is designed for indoor and outdoor use, making it ideal for desktop, wall, and pole-mount installations.

With its weatherproof housing and versatile mounting options, the USW-Flex provides the flexibility and durability in environments with extreme temperature variations.

Deployment Example



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

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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.

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.

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.

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

Switch Port Status

You can also view status information for each port:

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

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

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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
Power Method (Port 1) PoE Mode 1 PoE Mode 2 PoE Mode 3	 802.3af/at (Pins 1, 2+; 3, 6-)[1] 802.3bt (Pins 1, 2+; 3, 6- and 4, 5+; 7, 8-)[2] 50V/60W PoE Adapter[3]
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 AF mode PSE Powered by AT mode PSE Powered by BT mode PSE 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



[1]Recommended PoE power source: US-8-150W (sold separately)
[2]Recommended PoE power source: USW-Industrial (sold separately)
[3]Recommended PoE power source: POE-50-60W-WH (sold separately)
(POE-50-60W-WH requires enabling injector mode in UniFi Controller)

Specifications are subject to change. Ubiquiti products are sold with a limited warranty described at: ui.com/support/warranty
The limited warranty requires the use of arbitration to resolve disputes on an individual basis, and, where applicable, specify arbitration instead of jury trials or class actions.
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