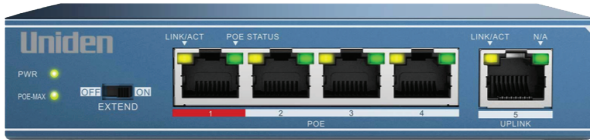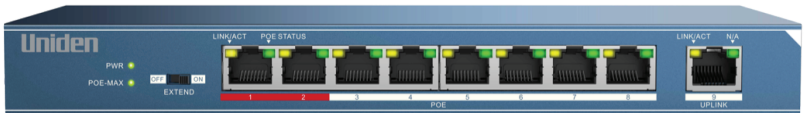# Uniden®

## UCSWITCH5



## UCSWITCH9



# OWNER'S MANUAL

Uniden surveillance products are not manufactured and/or sold with the intent to be used for illegal purposes. Uniden expects consumer's use of these products to be in compliance with all local, state, and federal law. For further information on video surveillance and audio recording legal requirements, please consult your local, state, and federal officials.

Uniden constantly works on improving our products. This includes updating our documentation with the latest firmware changes. Go to www.uniden.com to find the latest version of all documentation.

# CONTENTS

# UCSWITCH5/UCSWITCH9 OWNER'S MANUAL

## INTRODUCTION

UCSWITCH5 and UCSWITCH9 are 10/100Mbps PoE switches. They provide 5/9 10/100Mbps auto-negotiation RJ45 ports, in which ports 1-4/8 support IEEE 802.3af PoE (15.4W) and IEEE 802.3at PoE+ (30W). The whole PoE power output is 58W/120W. With Cat 5 Ethernet cable, power and data can be simultaneously transmitted to APs, IP cameras, IP phones, and other Power Devices).

In addition, UCSWITCH5 and UCSWITCH9 support Extend mode. With enabling Extend mode and Cat 5e Ethernet cable, the transmission distance of data and power can be up to 250m.

## PACKAGE CONTENTS

Open your package and check the following:

| ITEM | QUANTITY |
|------|----------|
| UCSWITCH5 or UCSWITCH9 | 1 |
| Power Adapter | 1 |
| Foot Pads | 4 |
| User Manual | 1 |
| Screws | 8 |
| Wall anchors (UCSWITCH5 only) | 2 |

If any item is incorrect, missing, or damaged, please keep the original package and contact the www.uniden.com for replacement immediately.

# FRONT PANEL

## UCSWITCH5
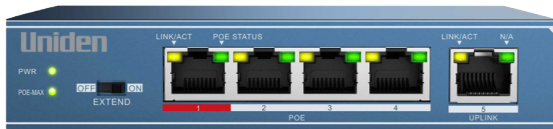


## UCSWITCH9
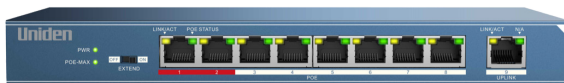


## LED Descriptions

| LED | STATUS | DESCRIPTION |
|---|---|---|
| PWR | Solid | The device is properly connected to the power supply. |
| | Off | The device is not connected properly to the power supply. |
| POE-MAX | Solid | The PoE power reaches alarm status; the avalable PoE power is less than 6W. |
| | Blinking | PoE power is at maximum. |
| | Off | PoE power is working properly; the available PoE power is more than 6W |
| LINK/ACT | Solid | The corresponding port is connected properly. |
| | Blinking | The corresponding port is transmitting data. |
| | Off | The corresponding port is not connected or connected improperly. |

| LED | STATUS | DESCRIPTION |
|---|---|---|
| POE STATUS | Solid | The corresponding port is connected to a Powered Device (PD) and powers the PD properly. |
| | Blinking | The corresponding port's PoE output exceeds 30W. |
| | Off | The corresponding port has no PoE power output or no PD is connected. |
| N/A | Off | Reserved |

## EXTEND MODE

If Extend mode is enabled:

| MODEL | STATUS | DESCRIPTION |
|---|---|---|
| UCSWITCH5 | Off | Ports 1 - 4: 100M |
| | On | Ports 1 - 4: 10M |
| UCSWITCH9 | Off | Ports 1 - 8: 100M |
| | On | Ports 1 - 8: 10M |

⚠️ To guarantee Extend mode performance, use a Cat 5e or better Ethernet cable and configure the remote device's speed and duplex to be "Auto Negotiation."

If Extend mode is disabled, the transmission distance of PoE powering and data is up to 150m if using a Cat 5e or better Ethernet cable.

## RJ45 PORTS

| MODEL | 10/100 MBPS RJ45 PORTS | UPLINK PORT |
|---|---|---|
| UCSWITCH5 | 4 | 1 |
| UCSWITCH9 | 8 | 1 |

## REAR PANEL

The rear panel comprises a power socket and a grounding terminal. UCSWITCH9 also had a lock hole.

### Power Socket

The included power adapter connects the device to power through the power socket.

### Grounding Terminal

If desired, connect a grounding cable (not included) for lightning electrical discharge protection.

### Lock Hole

(UCSWITCH9 only) If the UCSWITCH9 is installed in a high  traffic area, use a laptop lock (not included) in the lock hole to prevent tampering.

# DEVICE INSTALLATION

## INSTALLATION RECOMMENDATIONS

Follow these recommendations to ensure your safety and your device's operation:

- Wear antistatic gloves while installing and connect the device to power.
- Use the included power adapter to power the device.
- Make sure the input voltage matches the value which is marked on the device's label.
- Place the device in a well-ventilated and dry environment.
- Do not open the device case.

| ⚠ | There is a seal covering one of the screws in the device case. If the device needs repair, keep the seal unbroken until a Uniden technician can make the repair. The user should not break the seal covering the screw. If the seal is broken, the userwill be responsible for any damage. |
|---|---|

- Disconnect the device from the power supply when cleaning it.

- Position the device away from strong electrical currents.

## Anti-Static Protection

Dust may lead to electrostatic buildup. Keep the device and its environment clean. (A regular dusting is necessary.)

## Lightning Protection

In a thunderstorm, the electrical discharge from lightning may damage the device. Make sure the device, the installation location, and power outlet on the wall are well-grounded.

## MOUNTING REQUIREMENTS

Read and follow these requirements:

- The mounting location is stable and sturdy.

- Place the device where required in a clean, dry, and well-ventilated environment. Keep at least 4 in.(10cm.) free on all sides for cooling.

- Do not place any heavy or large object on the device.

- Paste the four foot pad stickers on the corresponding four corners of the underside of the device
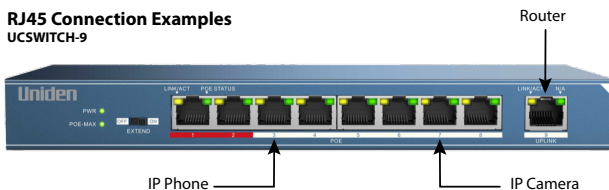
## PHYSICAL CONNECTION

## RJ45 Port Connections

The RJ45 port uses an Ethernet cable to connect the switch to remote devices. Ports 1 - 4/8 support IEEE 802.3af and IEEE 802.3at PoE supply. The PD can be wireless AP, IP phone or IP camera, etc.

**RJ45 Connection Examples**
**UCSWITCH-9**

Router



IP Phone ⸻ ⸻ IP Camera

## NOTES:

- A Cat 5e or better Ethernet cable is recommended. As each RJ45 port supports MDI/MDIX auto-negotiating, either parallel or crossover cable is acceptable.

- The device supports dynamic PoE supply; it will power the PD properly and automatically.

## Check Cabling

Once installation is completed, check the device cabling as follows:

- The operating power supply should agree with rated input standard.

- Ports cables are connected correctly.

- If there is outdoor cabling, connect a lightning protector to the cable before you plug the cable into the port.

## Connect to Power Supply

1. Plug the power adapter into the power socket.

2. Plug the other end of the power adapter into DC power.

3. The PWR LED turns on.

# TECHNICAL SPECIFICATIONS

|  | **UCSWITCH5** | **UCSWITCH9** |
|---|---|---|
| *INTERFACES* | | |
| 10/100MBPS RJ45 | 5 | 9 |

|  | **UCSWITCH5** | **UCSWITCH9** |
|---|---|---|
| High Priority Ports | Port 1 | Ports 1 - 2 |
| *PERFORMANCE* | | |
| Store-and-Forward | Supported | |
| MAC Table | 1k | 4k |
| MAC Learning | Auto-learning/auto-aging | |
| Switching Capacity | 1Gbps | 1.8Gbps |
| *PoE POWER* | | |
| PoE Standard | IEEE 802.3af, IEEE 802.3at | |
| PoE Powering Mode | Supports 8 pins powering; Pins 1, 2, 3, and 6 and pins 4, 5, 7, and 8 can power simultaneously. | |
| PoE Port | 1 - 4 | 1 - 8 |
| Max Port Output | 30W | 30W |
| Max Total Output | 58W | 120W |
| *Extend Mode* | | |
|  | Supported | |
| *LIGHTNING-PROOF RANKING* | | |
| RJ45 Port Lightning Proof | 4KV | |
| Power Source Lightning Proof | 4KV | 2KV |
| Power Input | 51V DC, 1.25A | 51V DC, 2.5A |
| *PHYSICAL ENVIRONMENT* | | |
| Operating Environment | Temperature: 32ºF - 104ºF (0ºC - 40ºC) | |
|  | Humidity: 10% - 90% RH Non-Condensing | |

|  | UCSWITCH5 | UCSWITCH9 |
|---|---|---|
| Storage Environment | Temperature: -40ºF - 158ºF (-40ºC - 70ºC) | |
| | Humidity: 5% - 90% RH Non-Condensing | |
| *TRANSMISSION SPEED* | | |
| Ethernet | 10Mbps Half Duplex 20Mbps Full Duplex | |
| Fast Internet | 100Mbps Half Duplex 200Mbps Full Duplex | |
| *TRANSMISSION MEDIUM* | | |
| Ethernet | CAT 3 or better UTP/STP | |
| Fast Internet | CAT 5 or better UTP/STP | |
| *NETWORK STANDARD* | | |
| | IEEE 802.3, IEEE 802.3u, IEEE802.3af, IEEE802.3at, IEEE802.3x | |

# FCC Part 15/IC COMPLIANCE

## FCC Compliance

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.

Changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

Avis de conformité à la FCC : Ce dispositif a été testé et s'avère conforme à l'article 15 des règlements de la Commission fédérale des communications (FCC). Ce dispositif est soumis aux conditions suivantes: 1) Ce dispositif ne doit pas causer d'interférences nuisibles et; 2) Il doit pouvoir supporter les parasites qu'il reçoit, incluant les parasites pouvant nuire à son fonctionnement.

Tout changement ou modification non approuvé expressément par la partie responsable pourrait annuler le droit à l'utilisateur de faire fonctionner cet équipement.

## IC Compliance

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Changes or modifications not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

Cet appareil est conforme aux normes RSS exemptes de licences d'Industrie Canada. Son fonctionnement est soumis aux deux conditions suivantes : (1) cet appareil ne doit pas causer d'interférences nuisibles et (2), il doit pouvoir accepter les interférences, incluant celles pouvant nuire à son fonctionnement normal.

Tout changement ou modification non approuvé expressément par la partie responsable pourrait annuler le droit à l'utilisateur de faire fonctionner cet équipement.

# ONE-YEAR LIMITED WARRANTY

Important: SAVE YOUR RECEIPT! Evidence of original purchase is required for warranty service.

WARRANTOR: Uniden America Corporation ("Uniden") ELEMENTS OF WARRANTY: Uniden warrants, for one year, to the original retail owner, this Uniden Product to be free from defects in materials & craftsmanship with only the limitations or exclusions set out below.

WARRANTY DURATION: This warranty to the original user shall terminate & be of no further effect 12 months after the date of original retail sale. The warranty is invalid if the Product is (A) damaged or not maintained as reasonable or necessary, (B) modified, altered, or used as part of any conversion kits, subassemblies, or any configurations not sold by Uniden, (C) improperly installed, (D) serviced or repaired by

someone other than an authorized Uniden service center for a defect or malfunction covered by this warranty, (E) used in any conjunction with equipment or parts or as part of any system not manufactured by Uniden, or (F) installed or programmed by anyone other than as detailed by the owner's manual for this product.

STATEMENT OF REMEDY: In the event that the product does not conform to this warranty at any time while this warranty is in effect, warrantor will either, at its option, repair or replace the defective unit & return it to you without charge for parts, service, or any other cost (except shipping & handling) incurred by warrantor or its representatives in connection with the performance of this warranty. Warrantor, at its option, may replace the unit with a new or refurbished unit.

THE LIMITED WARRANTY SET FORTH ABOVE IS THE SOLE & ENTIRE WARRANTY PERTAINING TO THE PRODUCT & IS IN LIEU OF & EXCLUDES ALL OTHER WARRANTIES OF ANY NATURE WHATSOEVER, WHETHER EXPRESS, IMPLIED OR ARISING BY OPERATION OF LAW, INCLUDING, BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THIS WARRANTY DOES NOT COVER OR PROVIDE FOR THE REIMBURSEMENT OR PAYMENT OF INCIDENTAL OR CONSEQUENTIAL DAMAGES. Some states do not allow this exclusion or limitation of incidental or consequential damages so the above limitation or exclusion may not apply to you.

LEGAL REMEDIES: This warranty gives you specific legal rights, & you may also have other rights which vary from state to state. This warranty is void outside the United States of America & Canada.

PROCEDURE FOR OBTAINING PERFORMANCE OF WARRANTY: If, after following the instructions in the owner's manual you are certain that the Product is defective, pack the Product carefully (preferably in its original packaging). The Product should include all parts & accessories

originally packaged with the Product. Include evidence of original purchase & a note describing the defect that has caused you to return it. The Product should be shipped freight prepaid, by traceable means, to warrantor at:

Uniden America Service
C/O Saddle Creek
743 Henrietta Creek Rd., Suite 100
Roanoke, TX  76026