Introduction

Thank you for purchasing the Ubiquiti® UniFi® Application Server. This Quick Start Guide is designed to guide you through installation and also includes warranty terms.

Package Contents

UniFi Application Server

- Rack-Mount Brackets (Qty. 2)
- Bracket Screws (Qty. 8)
- Mounting Screws (Qty. 4)
- Cage Nuts (Qty. 4)
- Power Cord
- U Logo Stickers (Qty. 2)
- Quick Start Guide

System Requirement

Web Browser: Google Chrome (Other browsers may have limited functionality.)
Network Topology Example

The UniFi Server requires a DHCP-enabled network to obtain an IP address. Here is a sample network diagram using these devices:

- **UAS-XG** The UniFi Application Server hosts the UniFi Network Controller and UniFi Video software applications.
- **US-16-XG** Connect the 10G Ethernet ports from the UAS-XG to the US-16-XG or other 10G-capable switches for maximum throughput. Note that the UAS-XG’s Ethernet ports are backwards-compatible with standard 1G ports if 10G is not available.
- **USG-PRO-4** The UniFi Security Gateway Pro acts as the DHCP server and connects to the internet.
## Hardware Overview

### Back Panel Ports

<table>
<thead>
<tr>
<th>Port</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power</td>
<td>Connect the included <em>Power Cord</em> to the <em>Power</em> port.</td>
</tr>
<tr>
<td>IPMI LAN</td>
<td>(Optional) The dedicated RJ45 port supports IPMI (Intelligent Platform Management Interface) for monitoring and control.</td>
</tr>
<tr>
<td>USB1-2</td>
<td>(Optional) Connect USB 3.0 devices. Maximum power per port is 5W (5V, 1A).</td>
</tr>
<tr>
<td>LAN1-2</td>
<td>RJ45 ports support 1/10 Gbps Ethernet connections.</td>
</tr>
<tr>
<td>VGA</td>
<td>(Optional) Connect a monitor for console access.</td>
</tr>
</tbody>
</table>
### Back Panel LEDs

![Back Panel LEDs Diagram]

### IPMI LAN LEDs

<table>
<thead>
<tr>
<th>LED</th>
<th>State</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Link</td>
<td>Off</td>
<td>No Link</td>
</tr>
<tr>
<td></td>
<td>Amber</td>
<td>Link Established</td>
</tr>
<tr>
<td>Activity</td>
<td>Off</td>
<td>No Activity</td>
</tr>
<tr>
<td></td>
<td>Red</td>
<td>Activity</td>
</tr>
</tbody>
</table>

### LAN1/2 LEDs

<table>
<thead>
<tr>
<th>LED</th>
<th>State</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Activity</td>
<td>Off</td>
<td>No Link</td>
</tr>
<tr>
<td></td>
<td>Amber</td>
<td>Flashing Indicates Activity</td>
</tr>
<tr>
<td>Speed</td>
<td>Off</td>
<td>No Connection or Link Established at 10/100 Mbps</td>
</tr>
<tr>
<td></td>
<td>Amber</td>
<td>Link Established at 1 Gbps</td>
</tr>
<tr>
<td></td>
<td>Green</td>
<td>Link Established at 10 Gbps</td>
</tr>
</tbody>
</table>
Front Panel LEDs

System LED

<table>
<thead>
<tr>
<th>Color</th>
<th>State</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>White</td>
<td>Flashing</td>
<td>Initializing</td>
</tr>
<tr>
<td>Blue</td>
<td>Steady</td>
<td>Functioning Properly</td>
</tr>
</tbody>
</table>

LAN1/2 LEDs

<table>
<thead>
<tr>
<th>Color</th>
<th>State</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Green</td>
<td>Steady</td>
<td>Link Established at 1/10 Gbps</td>
</tr>
<tr>
<td></td>
<td>Flashing</td>
<td>Indicates Activity</td>
</tr>
</tbody>
</table>

HDD1/2 LEDs

<table>
<thead>
<tr>
<th>Color</th>
<th>State</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Green</td>
<td>Flashing</td>
<td>Indicates Read/Write Activity</td>
</tr>
<tr>
<td>Amber</td>
<td>Steady</td>
<td>Indicates HDD Error</td>
</tr>
</tbody>
</table>
Front Panel Ports

**USB3/4** (Optional) Connect USB 2.0 devices. Maximum power per port is 5W (5V, 1A).

Front Panel Buttons

<table>
<thead>
<tr>
<th>Button</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power</td>
<td>Press to turn the UniFi Server on or off.</td>
</tr>
<tr>
<td>Reset</td>
<td>The UniFi Server should be running after bootup is complete, and the System LED is blue. Press the <strong>Reset</strong> button for a soft reboot.</td>
</tr>
</tbody>
</table>
Front Panel HDD Bays

One 8 TB HDD is pre-installed. If you want to replace the HDD, follow these instructions:

1. Before replacing the HDD, ensure that the UniFi Server is powered off to prevent any software disruption.
2. To replace the HDD, press the HDD bay door.
3. Once the door is released, rotate the door and pull the HDD bay out.
4. Replace the pre-installed HDD with another HDD (optional) and then close the HDD bay door.
Before You Begin

Remove the labels that secure the HDD bay doors.

1. Before removing the labels, ensure that the UniFi Server is powered off to avoid disconnecting the hard drives while the UniFi Server is powered on.
2. Pull the white part of the label.

3. Press the HDD bay door.
4. Once the door is released, rotate the door and pull the HDD bay out.

5. Remove the rest of the label.

6. Push the HDD bay back in and close the HDD bay door.

7. Repeat steps 2-6 for the other label.
Hardware Installation

The UniFi Server can be placed on a horizontal surface, mounted on a wall, or mounted in a rack.

Mounting in a Rack (Optional)

1. Attach the **Rack-Mount Brackets** to the UniFi Server using the eight **Bracket Screws**.

2. Attach the UniFi Server to the rack using the four **Mounting Screws**. (If the rack has square slots, then use the **Cage Nuts** with the **Mounting Screws**.)
Connecting Power

1. Connect the *Power Cord* to the *Power* port of the UniFi Server.

2. Connect the other end of the *Power Cord* to a UPS (Uninterruptible Power Supply) to prevent possible data loss from power outages.
3. Press the *Power* button to turn on the UniFi Server.
Connecting Ethernet

1. Connect an Ethernet cable from your switch to the *LAN1* port of the UniFi Server.

   **Note:** We recommend connecting to the bottom port, *LAN1*, if you are only connecting a single Ethernet cable.

2. For an aggregate link, connect another Ethernet cable from your switch to the top port, *LAN2*, of the UniFi Server.
Connecting VGA

The VGA port is only used for console access in conjunction with a USB keyboard; it does not need to be connected for normal operation of the UniFi Server.

1. (Optional) Connect a VGA cable (not included) from your monitor to the VGA port of the UniFi Server.

Initial Setup via Bluetooth

Use the UniFi Network app to configure the UniFi Server.

1. Download the UniFi Network app from the App Store® (iOS) or Google Play™ (Android).

2. Enable Bluetooth on your mobile device.

3. Launch the app and hold your mobile device within 1.5 m (5’) of the UniFi Server.
4. Tap **Add Controller**.

5. When the UniFi Server has been discovered, tap **Set up this controller**.
6. Configure the following settings:

- **Use SSO Credentials**  Toggle **On**.
  
  **Note:** To manually configure the credentials, tap **See credentials in detail** and go to step 7.

- **Email** Enter your email address.

- **Username** Enter the username for your UBNT Single Sign-On (SSO) account.

- **Password** Enter the password for your UBNT SSO account.

- **Retype Password** Confirm your password.
  
  **Note:** The password configured in this step will also be used for SSH and IPMI access.

- **Country** Select the appropriate country.

- **Time Zone** Select the appropriate time zone.

Tap **Set Up** and go to step 8.
7. Configure the *UniFi Controller, UniFi Video NVR, SSH,* and/or *IPMI* credentials as needed:

- **Username** Enter the appropriate username.
  
  **Note:** For the *SSH* and *IPMI* credentials, the username is always *ubnt* and cannot be changed.

- **Password** Enter the appropriate password. Tap the eye icon to display the password in plaintext.
  
  **Note:** For the *IPMI* credential, the password can be 19 bytes (or standard ASCII characters) maximum.

Tap **Done.**
8. You will be notified when the settings have been saved. Tap **Done**.

The username and password you configure in the UniFi Network app will be used for the pre-installed UniFi Network Controller and UniFi Video software.
UniFi Software

The UniFi Network Controller and UniFi Video software applications are pre-installed on the UniFi Server. Follow these instructions to launch either software:

1. Ensure that your host system is on the same Layer-2 network as the UniFi Server.

2. The UniFi Server is set to DHCP by default, so it will try to automatically obtain an IP address. Assign a specific IP address to the UniFi Server, or check the DHCP server for its IP address.

3. Launch the web browser. In the address field, type https:// followed by the appropriate IP address and port number:
   - **UniFi Network Controller** Enter 8443 as the port number.
     
     ![https://<IP_address>:8443](https://<IP_address>:8443)
   
   - **UniFi Video** Enter 7443 as the port number.
     
     ![https://<IP_address>:7443](https://<IP_address>:7443)

4. Press enter (PC) or return (Mac). Follow the on-screen instructions.

For information on configuring and using the UniFi Network Controller or UniFi Video software, refer to the appropriate User Guide on the website:

- www.ubnt.com/download/unifi
- www.ubnt.com/download/unifivideo
## Specifications

<table>
<thead>
<tr>
<th></th>
<th>UAS-XG</th>
</tr>
</thead>
</table>
| **Dimensions**| 442.4 x 305.5 x 43.7 mm  
                 | (17.42 x 12.03 x 1.72")                                              |
| **Weight**    | With Mount Brackets                                                     |
|               | 6.5 kg (14.33 lb)                                                      |
|               | 6.6 kg (14.55 lb)                                                      |
| **Max. Power Consumption** | 150W                                                                 |
| **Power Method** | 100-240VAC/50-60 Hz, Universal Input                                  |
| **Power Supply** | 100-240VAC, 2 to 4A, 50 to 60 Hz                                      |
| **Supported Voltage Range** | 100-240VAC                                                           |
| **LEDs**      | System Bootup/Reset/Locate                                             |
|               | Data Ports Link/Activity                                               |
|               | HDD Bays Activity                                                      |
| **Processor** | Intel Xeon D-1521                                                      |
| **System Memory** | 16 GB DDR                                                            |
| **On-Board Flash Storage** | M.2 SSD 120 GB                                                     |
| **Hard Drive Capacity** | (1) 8 TB HDD (Pre-Installed)                                         |
| **Operating Temperature** | 0 to 40° C (32 to 104° F)                                             |
| **Operating Humidity** | 5 to 90% Noncondensing                                               |
| **Rack Mount** | Yes, 1U High                                                          |
| **Interfaces**| Networking Interfaces                                                 |
|               | (2) 1/10 Gbps RJ45 Ethernet Ports                                      |
|               | (1) 1 Gbps RJ45 Ethernet Port                                          |
|               | (2) USB 3.0 Ports (Back Panel), (2) USB 2.0 Ports (Front Panel)       |
|               | Bluetooth Low Energy Bluetooth 4.0                                     |
| **Certifications** | CE, FCC, IC                                                          |
Safety Notices

1. Read, follow, and keep these instructions.
2. Heed all warnings.
3. Only use attachments/accessories specified by the manufacturer.

⚠️ WARNING: Do not use this product in location that can be submerged by water.

⚠️ WARNING: Avoid using this product during an electrical storm. There may be a remote risk of electric shock from lightning.

Electrical Safety Information

1. Compliance is required with respect to voltage, frequency, and current requirements indicated on the manufacturer’s label. Connection to a different power source than those specified may result in improper operation, damage to the equipment or pose a fire hazard if the limitations are not followed.

2. There are no operator serviceable parts inside this equipment. Service should be provided only by a qualified service technician.

3. This equipment is provided with a detachable power cord which has an integral safety ground wire intended for connection to a grounded safety outlet.
   a. Do not substitute the power cord with one that is not the provided approved type. Never use an adapter plug to connect to a 2-wire outlet as this will defeat the continuity of the grounding wire.
   b. The equipment requires the use of the ground wire as a part of the safety certification, modification or misuse can provide a shock hazard that can result in serious injury or death.
   c. Contact a qualified electrician or the manufacturer if there are questions about the installation prior to connecting the equipment.
   d. Protective earthing is provided by Listed AC adapter. Building installation shall provide appropriate short-circuit backup protection.
   e. Protective bonding must be installed in accordance with local national wiring rules and regulations.

Limited Warranty

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.
Compliance

FCC

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

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 when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operations of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

This radio transmitter (FCC: SWX-UASPRO) has been approved by FCC.

ISED Canada

CAN ICES-3(A)/NMB-3(A)

This device complies with ISED Canada licence-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.

This radio transmitter (IC: 6545A-UASPRO) has been approved by ISED Canada.

CAN ICES-3(A)/NMB-3(A)

Le présent appareil est conforme aux CNR d’ISDE Canada applicables aux appareils radio exempts de licence. L’exploitation est autorisée aux deux conditions suivantes :
1. L’appareil ne doit pas produire de brouillage;
2. L’appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d’en compromettre le fonctionnement.

Le présent émetteur radio (IC : 6545A-UASPRO) a été approuvé par ISDE Canada.
IMPORTANT NOTE:

Radiation Exposure Statement:

• This equipment complies with radiation exposure limits set forth for an uncontrolled environment.
• This equipment should be installed and operated with minimum distance 20 cm between the radiator and your body.
• This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

AVIS IMPORTANT :

Déclaration sur l’exposition aux rayonnements :

• Cet équipement est conforme aux limites prévues pour l’exposition aux rayonnements dans un environnement non contrôlé.
• Lors de l’installation et de la mise en fonctionnement de l’équipement, assurez-vous qu’il y ait une distance minimale de 20 cm entre l’élément rayonnant et vous.
• Cet émetteur ne doit être installé à proximité d’aucune autre antenne ni d’aucun autre émetteur, et ne doit être utilisé conjointement à aucun autre de ces appareils.

Australia and New Zealand

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

Brazil

Nota: Este equipamento não tem direito à proteção contra interferência prejudicial e não pode causar interferência em sistemas devidamente autorizados.

CE Marking

CE marking on this product represents the product is in compliance with all directives that are applicable to it.
RoHS/WEEE Compliance Statement

English
European Directive 2012/19/EU requires that the equipment bearing this symbol on the product and/or its packaging must not be disposed of with unsorted municipal waste. The symbol indicates that this product should be disposed of separately from regular household waste streams. It is your responsibility to dispose of this and other electric and electronic equipment via designated collection facilities appointed by the government or local authorities. Correct disposal and recycling will help prevent potential negative consequences to the environment and human health. For more detailed information about the disposal of your old equipment, please contact your local authorities, waste disposal service, or the shop where you purchased the product.

Deutsch

Español
La Directiva 2012/19/UE exige que los equipos que lleven este símbolo en el propio aparato y/o en su embalaje no deben eliminarse junto con otros residuos urbanos no seleccionados. El símbolo indica que el producto en cuestión debe separarse de los residuos domésticos convencionales con vistas a su eliminación. Es responsabilidad suya desechar este y cualesquiera otros aparatos eléctricos y electrónicos a través de los puntos de recogida que ponen a su disposición el gobierno y las autoridades locales. Al desechar y reciclar correctamente estos aparatos estará contribuyendo a evitar posibles consecuencias negativas para el medio ambiente y la salud de las personas. Si desea obtener información más
French

La directive européenne 2012/19/UE exige que l’équipement sur lequel est apposé ce symbole sur le produit et/ou son emballage ne soit pas jeté avec les autres ordures ménagères. Ce symbole indique que le produit doit être éliminé dans un circuit distinct de celui pour les déchets des ménages. Il est de votre responsabilité de jeter ce matériel ainsi que tout autre matériel électrique ou électronique par les moyens de collecte indiqués par le gouvernement et les pouvoirs publics des collectivités territoriales. L’élimination et le recyclage en bonne et due forme ont pour but de lutter contre l’impact néfaste potentiel de ce type de produits sur l’environnement et la santé publique. Pour plus d’informations sur le mode d’élimination de votre ancien équipement, veuillez prendre contact avec les pouvoirs publics locaux, le service de traitement des déchets, ou l’endroit où vous avez acheté le produit.

Italian

La direttiva europea 2012/19/UE richiede che le apparecchiature contrassegnate con questo simbolo sul prodotto e/o sull’imballaggio non siano smaltite insieme ai rifiuti urbani non differenziati. Il simbolo indica che questo prodotto non deve essere smaltito insieme ai normali rifiuti domestici. È responsabilità del proprietario smaltire sia questi prodotti sia le altre apparecchiature elettriche ed elettroniche mediante le specifiche strutture di raccolta indicate dal governo o dagli enti pubblici locali. Il corretto smaltimento ed il riciclaggio aiuteranno a prevenire conseguenze potenzialmente negative per l’ambiente e per la salute dell’essere umano. Per ricevere informazioni più dettagliate circa lo smaltimento delle vecchie apparecchiature in Vostro possesso, Vi invitiamo a contattare gli enti pubblici di competenza, il servizio di smaltimento rifiuti o il negozio nel quale avete acquistato il prodotto.

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Bulgarian
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Croatian

Czech
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Danish
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