

## Ubiquiti UDR7

# Ubiquiti UniFi Dream Router 7 (UDR7) User Manual

Compact Wi-Fi 7 Cloud Gateway with Multi-Gig Networking and Integrated UniFi Applications

## 1. PRODUCT OVERVIEW

The Ubiquiti UniFi Dream Router 7 (UDR7) is an all-in-one networking solution designed for advanced performance and seamless integration in home and small business environments. It combines a powerful Wi-Fi 7 router, a multi-gigabit switch, and a UniFi application server into a single compact device.

### 1.1 Key Features

- **Advanced Wi-Fi 7 Performance:** Tri-band support (2.4 GHz, 5 GHz, 6 GHz) with maximum throughput of 5.7 Gbps on the 6 GHz band, leveraging Multi-Link Operation (MLO) for enhanced wireless performance.
- **Multi-Gigabit Networking:** Equipped with (1) 10G SFP+ WAN/LAN port and (3) 2.5 GbE RJ45 LAN ports, including (1) PoE port delivering up to 15.4W, facilitating high-speed wired connections.
- **Integrated UniFi Application Suite:** Supports UniFi Network, Protect, Access, Talk, and Connect applications, providing centralized management for networking, security, and communication devices.
- **Built-in NVR Storage:** Includes a pre-installed 64GB microSD card for UniFi Protect video recording, with the option to upgrade storage capacity as needed.
- **Compact and Efficient Design:** Sleek desktop form factor measuring Ø110 x 184.1 mm, with a maximum power consumption of 26W (excluding PoE output), suitable for space-constrained environments.

### 1.2 Package Contents

Verify that all items are present in your package:

- Ubiquiti UniFi Dream Router 7 (UDR7)
- Power Adapter
- Mounting Plate
- Quick Start Guide

### 1.3 Product View



This image displays the Ubiquiti UniFi Dream Router 7 (UDR7), a compact, cylindrical device in white, designed for desktop placement. It features a sleek, minimalist design with a small indicator light on the top.

## 2. SETUP

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Follow these steps to set up your UniFi Dream Router 7 (UDR7).

### 2.1 Unboxing and Placement

1. Carefully remove the UDR7 and its accessories from the packaging.
2. Place the UDR7 on a flat, stable surface in a central location to ensure optimal Wi-Fi coverage. Avoid placing it near large metal objects or other devices that may cause interference.

### 2.2 Physical Connections

1. **Connect to Power:** Plug the included power adapter into the UDR7's power port and then into a power outlet. The device will power on automatically.
2. **Connect to Internet (WAN):** Connect an Ethernet cable from your modem or primary internet source to the 10G SFP+ WAN/LAN port on the UDR7. If using an SFP+ module, ensure it is properly seated.
3. **Connect Local Devices (LAN):** Connect your wired devices (e.g., computers, switches) to the 2.5 GbE RJ45 LAN ports. One port supports Power over Ethernet (PoE) for compatible devices.

### 2.3 Initial Configuration

1. **Download UniFi Network Application:** For initial setup, it is recommended to use the UniFi Network mobile app (available on iOS and Android). Search for "UniFi Network" in your device's app store.
2. **Connect to UDR7 Wi-Fi:** On your mobile device, connect to the default Wi-Fi network broadcast by the UDR7. The SSID and password can typically be found on a sticker on the device or its packaging.
3. **Adopt and Configure:** Open the UniFi Network app. The app should automatically discover the UDR7. Follow the on-screen prompts to adopt the device, create your UniFi account, and configure your network settings, including Wi-Fi names and passwords.
4. **Web Interface Access:** Alternatively, you can access the UniFi Network web interface by connecting a computer directly to a LAN port on the UDR7 and navigating to <https://unifi.ui.com> or the UDR7's assigned IP address in a web browser.

## 3. OPERATING INSTRUCTIONS

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Once your UDR7 is set up, you can manage your network and UniFi applications through the UniFi Network Controller.

### 3.1 Accessing the UniFi Controller

- **Mobile App:** Use the UniFi Network mobile app for convenient management on the go.
- **Web Browser:** Access the full UniFi Network web interface by navigating to <https://unifi.ui.com> and logging in with your Ubiquiti account, or by directly accessing the UDR7's local IP address.

### 3.2 Network Configuration

- **Wi-Fi Settings:** Configure SSIDs, security protocols (WPA3 recommended), and advanced Wi-Fi settings like channel optimization and transmit power.
- **VLANs:** Create and manage Virtual Local Area Networks (VLANs) to segment your network for improved security and organization.
- **Routing & Firewall:** Set up port forwarding, firewall rules, and VPN configurations as needed.

- **Guest Network:** Establish isolated guest networks with captive portals for visitors.

### 3.3 UniFi Protect (NVR)

The UDR7 includes UniFi Protect for video surveillance management, utilizing the pre-installed 64GB microSD card for storage.

- **Camera Adoption:** Adopt UniFi Protect cameras to the UDR7 through the UniFi Protect application.
- **Live View & Playback:** Monitor live camera feeds and review recorded footage.
- **Storage Management:** Manage recording settings and monitor storage usage. The microSD card can be upgraded for increased capacity.

### 3.4 Managing Connected Devices

The UniFi Controller provides a comprehensive overview of all connected UniFi devices and clients.

- **Device List:** View all UniFi devices (Access Points, Switches, etc.) and their status.
- **Client List:** See all connected clients, their connection type, and data usage.
- **Insights:** Gain insights into network performance, traffic, and potential issues.

## 4. MAINTENANCE

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Regular maintenance ensures optimal performance and longevity of your UDR7.

### 4.1 Firmware Updates

Ubiquiti regularly releases firmware updates to improve performance, add features, and address security vulnerabilities. It is highly recommended to keep your UDR7's firmware up to date.

- Access the UniFi Network Controller.
- Navigate to the "Devices" section.
- If an update is available for the UDR7, an "Update" button or notification will appear. Follow the prompts to initiate the update.
- *Note:* Do not power off the device during a firmware update.

### 4.2 Backup and Restore

Regularly back up your UniFi Network configuration to prevent data loss in case of an issue.

- In the UniFi Network Controller, go to "Settings" > "System" > "Backup".
- Download a backup file to your local computer.
- To restore, upload a backup file from the same section.

### 4.3 Cleaning Instructions

- Ensure the device is powered off and unplugged before cleaning.
- Use a soft, dry cloth to wipe the exterior of the UDR7.
- Do not use liquid cleaners or aerosol sprays directly on the device.
- Keep ventilation openings clear of dust and debris.

### 4.4 Storage Management (MicroSD Card)

The UDR7 uses a microSD card for UniFi Protect video storage. You can monitor its health and usage within the UniFi Protect application.

- If upgrading the microSD card, ensure the device is powered off before inserting or removing the card.
- Use a high-endurance microSD card designed for continuous recording.

## 5. TROUBLESHOOTING

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This section provides solutions to common issues you might encounter with your UDR7.

### 5.1 Common Issues and Solutions

- **No Internet Connection:**
  - Check if your modem is working correctly.
  - Ensure the Ethernet cable from your modem is securely connected to the UDR7's WAN port.
  - Verify WAN settings in the UniFi Network Controller.
- **Wi-Fi Connectivity Issues:**
  - Ensure the UDR7 is powered on and its indicator light is solid blue.
  - Check your Wi-Fi password.
  - Try restarting the UDR7.
  - Review Wi-Fi settings in the UniFi Network Controller (e.g., channel, transmit power).
- **UniFi Device Not Adopting:**
  - Ensure the device is connected to a UDR7 LAN port or is within Wi-Fi range.
  - Check if the device is already adopted by another controller. If so, factory reset the device.
  - Ensure the UDR7 firmware and UniFi Network application are up to date.

### 5.2 LED Indicators

The UDR7 features an LED indicator that provides status information:

- **Solid White:** Device is powered on and awaiting adoption.
- **Solid Blue:** Device is adopted and functioning correctly.
- **Flashing Blue:** Device is busy (e.g., during firmware update, locating).
- **Flashing White:** Device is in a factory reset state or experiencing an error.

### 5.3 Factory Reset

A factory reset will revert the UDR7 to its default settings and unmanage it from your UniFi Controller. This should be a last resort for troubleshooting.

1. Ensure the UDR7 is powered on.
2. Locate the reset button (usually a small pinhole) on the device.
3. Use a paperclip or similar pointed object to press and hold the reset button for approximately 10 seconds until the LED indicator begins to flash rapidly.
4. Release the button. The device will restart with factory defaults.

## 6. SPECIFICATIONS

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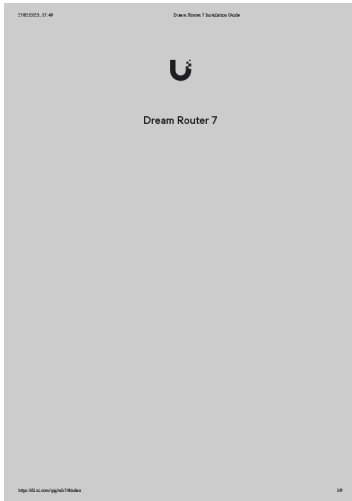
Detailed technical specifications for the Ubiquiti UniFi Dream Router 7 (UDR7).

| Feature               | Specification                                       |
|-----------------------|---|
| Brand                 | Generic (Ubiquiti)                                  |
| Model                 | UDR7  |
| Wi-Fi Standards       | Wi-Fi 7 (802.11be) Tri-band (2.4 GHz, 5 GHz, 6 GHz) |
| Max Wi-Fi Throughput  | 5.7 Gbps (6 GHz band)                               |
| WAN/LAN Ports         | (1) 10G SFP+ WAN/LAN                                |
| LAN Ports             | (3) 2.5 GbE RJ45 LAN (1 with PoE)                   |
| PoE Output            | 15.4W (on one 2.5 GbE RJ45 LAN port)                |
| NVR Storage           | Pre-installed 64GB microSD card (upgradeable)       |
| Dimensions            | Ø110 x 184.1 mm (4.33 x 7.25 inches)                |
| Max Power Consumption | 26W (excluding PoE output)                          |
| Package Dimensions    | 4 x 3 x 2.5 inches                                  |
| Date First Available  | April 15, 2025                                      |

## 7. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official Ubiquiti website or contact their customer service.

- **Warranty:** Product warranty terms and conditions are typically available on the manufacturer's official website. Please retain your proof of purchase for warranty claims.
- **Technical Support:** For further assistance, troubleshooting, or advanced configurations, visit the Ubiquiti support portal or community forums.
- **Online Resources:**
  - [Ubiquiti Support Website](#)
  - [Ubiquiti Community Forums](#)



### [Ubiquiti Dream Router 7 Installation Guide](#)

A comprehensive guide to installing and setting up the Ubiquiti Dream Router 7, including hardware connections and mobile app setup.

lang:en score:51 filesize: 302.08 K page\_count: 9 document date: 2025-02-27



### [Ubiquiti UniFi Dream Router 7 Installation Guide](#)

A comprehensive guide to installing and setting up the Ubiquiti UniFi Dream Router 7, covering power connection, internet setup, mobile app integration, and device pairing.

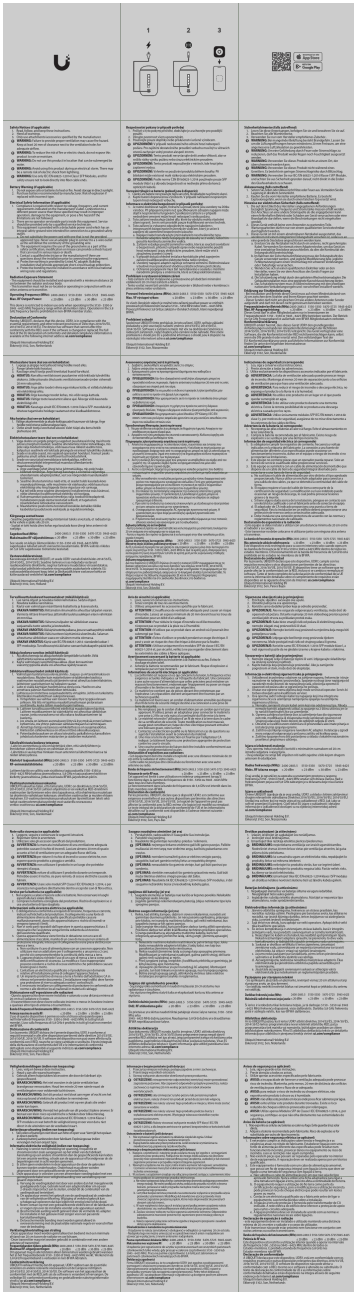
lang:en score:48 filesize: 311.52 K page\_count: 9 document date: 2025-05-27



### [Ubiquiti Dream Router 7 Installation Guide](#)

A comprehensive guide for installing and setting up the Ubiquiti Dream Router 7, including hardware connections and app integration.

lang:en score:34 filesize: 372.89 K page\_count: 9 document date: 2025-02-27

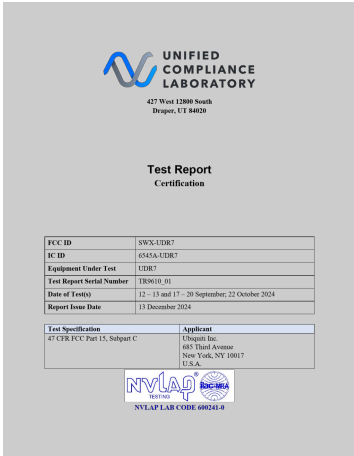


[pdf] Instructions Accessories Label

UDR7 regulation folding 60x60 640 02880 01 R1 20240806 Download Ubiquiti Compliance Insert ui compliance ||| ||| 1 2 3 Safety Notices if applicable 1. Read, follow, and keep these instructions. 2. Heed all warnings. 3. Only use attachments/accessories speci ed by the manufacturer. WARNING: Failure to provide proper ventilation may cause re hazard. Kee

1 2 3 Safety Notices if applicable 1. Read, follow, and keep these instructions. 2. Heed all wa ... in non-BFWA member states. Declaration of Conformity Hereby, UBIQUITI, declares that this device, **UDR7**, is in compliance with the essential requirements and other relevant provisions of Directives 2...

lang:en score:33 filesize: 2.46 M page\_count: 2 document date: 2024-08-21



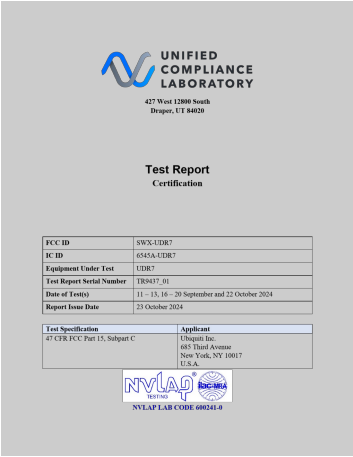
Ubiquiti UDR7 FCC Certification Test Report | UniFi Desk Gateway Compliance

Official FCC Part 15, Subpart C compliance test report for the Ubiquiti UDR7 UniFi Desk Gateway. Details conducted emissions, radiated emissions, output power, and spectral density testing by Unified Compliance Laboratory.

lang:en score:31 filesize: 1.86 M page\_count: 22 document date: 2024-12-13

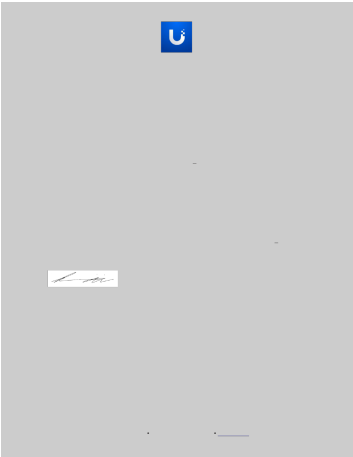






[pdf] Specifications Test Report

Test Report WiFi Ubiquiti Inc UDR7 Digital Transmission Radio SWX SWXUDR7 udr7  
427 West 12800 South Draper, UT 84020 Test Report Certification FCC ID IC ID  
Equipment Under Test Test Report Serial Number Date of Test s Report Issue Date  
SWX-**UDR7** 6545A-**UDR7 UDR7** TR9437\_01 11 13, 16 20 September and 22  
October 2024 23 October 2024 Test Specification 47 CFR FCC Part 15, Subp...  
lang:en score:31 filesize: 3.29 M page\_count: 35 document date: 2024-10-23



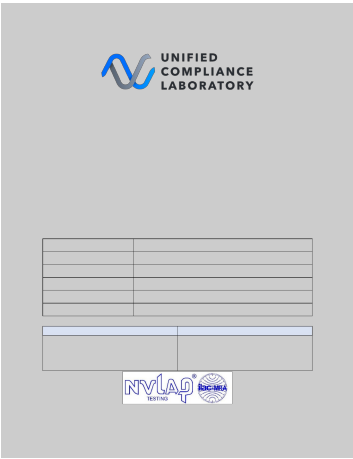
[pdf] Confidentiality Request Letter

UBNT AF5T Confidentiality FCC Alexandros Pavlos Cover Letter Ubiquiti Inc UDR7 Digital Transmission  
Radio SWX SWXUDR7 udr7  
Date: 12 December 2024 Federal Communications Commission 7435 Oakland Mills  
Rd. Columbia, MD 21046 RE: Request for Original Equipment Certification FCC:  
SWX-**UDR7** It is hereby requested that Ubiquiti Inc. obtain FCC Original Equipment  
Certification of a radio apparatus on the Ubiquiti Inc. product U...  
lang:en score:31 filesize: 294.55 K page\_count: 1 document date: 2024-12-12



[pdf] Specifications Test Report

Test Report UNII 6 Ubiquiti Inc UDR7 Digital Transmission Radio SWX SWXUDR7 udr7  
427 West 12800 South Draper, UT 84020 Test Report Certification FCC ID IC ID  
Equipment Under Test Test Report Serial Number Date of Tests Report Issue Date  
SWX-**UDR7** 6545A-**UDR7 UDR7** TR9641\_02 9-24 September; 8-31 October; 4  
November 2024 27 December 2024 Test Specification 47 CFR FCC Part 15, Su...  
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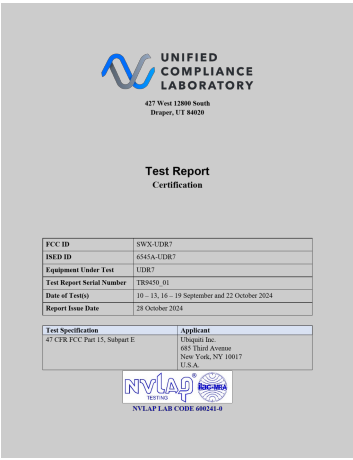
[pdf] Specifications Test Report

Test Report UNII 5 Ubiquiti Inc UDR7 Digital Transmission Radio SWX SWXUDR7 udr7  
427 West 12800 South Draper, UT 84020 Test Report Certification FCC ID ISED ID  
Equipment Under Test Test Report Serial Number Date of Test Report Issue Date  
SWX-**UDR7** 6545A-**UDR7 UDR7** TR9638\_02 10 September; 9, 22-31 October; 4  
November 2024 27 December 2024 Test Specification 47 CFR FCC Part 15, S...  
lang:en score:31 filesize: 2.83 M page\_count: 32 document date: 2025-01-03



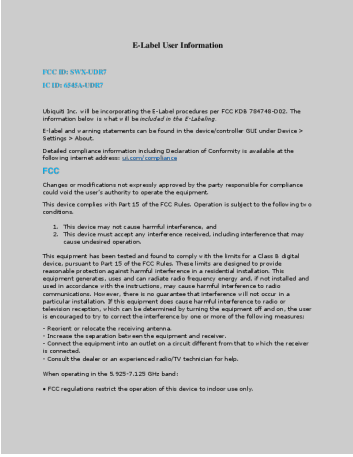
[pdf] Specifications Test Report

Test Report UNII 8 Ubiquiti Inc UDR7 Digital Transmission Radio SWX SWXUDR7 udr7  
427 West 12800 South Draper, UT 84020 Test Report Certification FCC ID ISED ID  
Equipment Under Test Test Report Serial Number Date of Test s Report Issue Date  
SWX-**UDR7** 6545A-**UDR7 UDR7** TR9640\_02 11 13, 25 September; 9 and 22 October  
2024 27 December 2024 Test Specification 47 CFR FCC Part 15, Su...  
lang:en score:31 filesize: 2.18 M page\_count: 32 document date: 2025-01-03



[pdf] Specifications Test Report

Test Report UNII 1 Ubiquiti Inc UDR7 Digital Transmission Radio SWX SWXUDR7 udr7  
427 West 12800 South Draper, UT 84020 Test Report Certification FCC ID ISED ID  
Equipment Under Test Test Report Serial Number Date of Test s Report Issue Date  
SWX-**UDR7** 6545A-**UDR7 UDR7** TR9450\_01 10 13, 16 19 September and 22  
October 2024 28 October 2024 Test Specification 47 CFR FCC Part 15, Su...  
lang:en score:31 filesize: 2.75 M page\_count: 32 document date: 2024-10-28



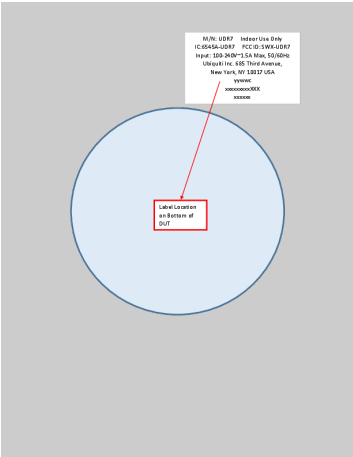
[pdf] User Manual Declaration of Conformity Label

Joe Jackson User Manual E LabelUbiquiti Inc UDR7 SWX SWXUDR7 udr7  
E-Label User Information FCC ID: SWX-**UDR7** IC ID: 6545A-**UDR7** Ubiquiti Inc. will  
be incorporating the E-Label procedures per FCC KDB 784748-D02. The information  
below is what will be included in the E-Labeling. E-label and warning statements can  
be found in the device/controller GUI under Device Set...  
lang:en score:31 filesize: 268.92 K page\_count: 3 document date: 2024-12-13



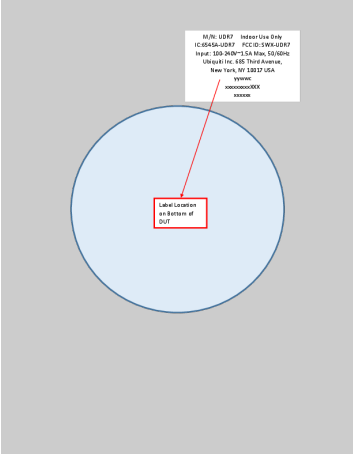
[Ubiquiti UDR7 UniFi Desk Gateway FCC Part 15 Subpart E Compliance Test Report](#)

Official test report detailing the Ubiquiti UDR7 UniFi Desk Gateway's compliance with FCC Part 15, Subpart E regulations for Wi-Fi 7 wireless operations, including conducted and radiated emissions, power, and spectral density tests.  
lang:en score:31 filesize: 2.56 M page\_count: 35 document date: 2025-01-03



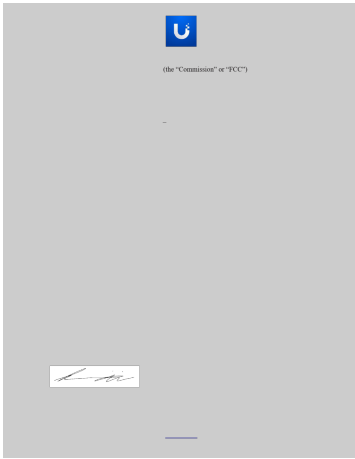
[\[pdf\]](#) Label

Joe Jackson Label Sample Ubiquiti Inc UDR7 Digital Transmission Radio SWX SWXUDR7 udr7  
M/N: **UDR7** Indoor Use Only IC:6545A-**UDR7** FCC ID: SWX-**UDR7** Input: 100-240V-1.5A Max, 50/60Hz Ubiquiti Inc. 685 Third Avenue, New York, NY 10017 USA yyywww  
xxxxxxxxxxXXX xxxxxx Label Location on Bottom of DUT ...  
lang:en score:30 filesize: 215.15 K page\_count: 1 document date: 2025-01-02



[\[pdf\]](#) Label

Joe Jackson Label Location Ubiquiti Inc UDR7 Digital Transmission Radio SWX SWXUDR7 udr7  
M/N: **UDR7** Indoor Use Only IC:6545A-**UDR7** FCC ID: SWX-**UDR7** Input: 100-240V-1.5A Max, 50/60Hz Ubiquiti Inc. 685 Third Avenue, New York, NY 10017 USA yyywww  
xxxxxxxxxxXXX xxxxxx Label Location on Bottom of DUT ...  
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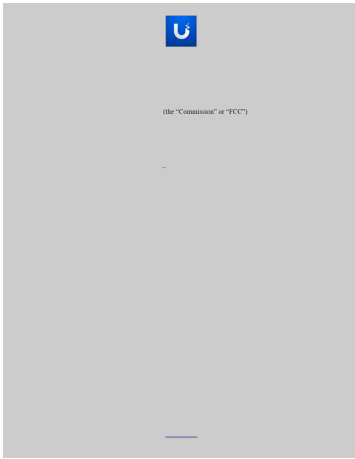


[pdf] Confidentiality Request Letter

UBNT AF5T Confidentiality FCC Alexandros Pavlos Attestation for 6PP Ubiquiti Inc UDR7 Digital Transmission Radio SWX SWXUDR7 udr7

Date: 12 December 2024 Federal Communications Commission the Commission or FCC Authorization and Evaluation Division 7435 Oakland Mills Rd. Columbia, MD 21046 USA RE: Attestation Statements 6PP Filing FCC ID: SWX-**UDR7** We, Ubiquiti Inc., attest that this device under FCC ID SWX-**UDR7** complies w...

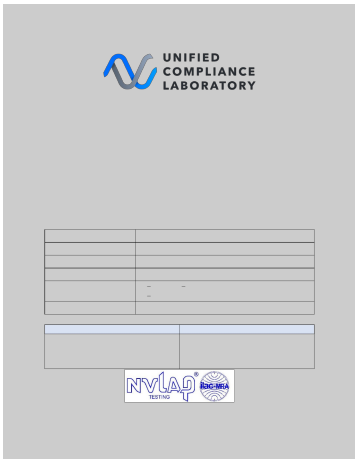
lang:en score:29 filesize: 295.09 K page\_count: 1 document date: 2024-12-12



Ubiquiti SWX-UDR7 FCC Attestation Statement for 6ID Indoor Client Operation

Ubiquiti Inc. attests that the SWX-UDR7 device complies with FCC requirements for 6ID indoor client operation, detailing transmit power control methods and operational restrictions.

lang:en score:29 filesize: 297.18 K page\_count: 2 document date: 2024-12-12



[pdf] Specifications Test Report

Test Report UNII 2 Ubiquiti Inc UDR7 Digital Transmission Radio SWX SWXUDR7 udr7 427 West 12800 South Draper, UT 84020 Test Report Certification FCC ID ISED ID Equipment Under Test Test Report Serial Number Date of Test s Report Issue Date SWX-**UDR7** 6545A-**UDR7 UDR7** TR9621\_02 10 13, 20, 23 24, September; 22 October; 11 13 and 16 December 2024 and 6 January 2026 17 December ...

lang:en score:29 filesize: 3.17 M page\_count: 75 document date: 2025-01-07

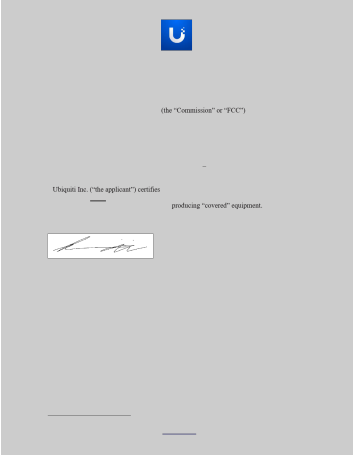


[pdf] Confidentiality Request Letter

UBNT AF5T Confidentiality FCC Alexandros Pavlos Letter Ubiquiti Inc UDR7 Digital Transmission Radio SWX SWXUDR7 udr7

Date: 12 December 2024 TIMCO Engineering, Inc. 13146 NW 86th Drive Suite 400 Alachua, Florida 32615 RE: Request for Confidentiality In reference to the application under FCC ID: SWX-**UDR7**, and pursuant to Sections 0.457 d 1 ii and 0.459 of the Commission s Rules, Ubiquiti Networks hereby requests pe...

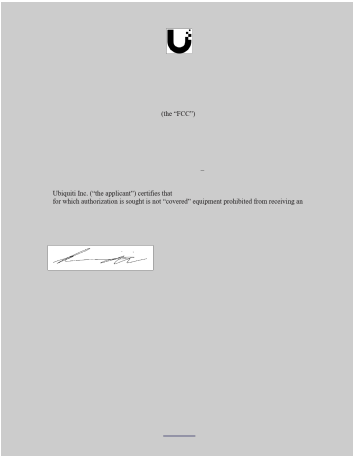
lang:en score:28 filesize: 238.65 K page\_count: 1 document date: 2024-12-12



Ubiquiti Inc. FCC Attestation Statement for SWX-UDR7

Official attestation statement from Ubiquiti Inc. to the Federal Communications Commission (FCC) confirming that the applicant is not identified on the Covered List for the SWX-UDR7 device.

lang:de score:27 filesize: 292.73 K page\_count: 1 document date: 2024-12-12



[pdf] Confidentiality Request Letter

UBNT AF5T Confidentiality FCC Alexandros Pavlos Att Statements 2 911 d 5 i Ubiquiti Inc UDR7 Digital Transmission Radio SWX SWXUDR7 udr7

Date: 12 December 2024 Federal Communications Commission the FCC Authorization and Evaluation Division 7435 Oakland Mills Rd. Columbia, MD 21046 USA RE: Attestation Statements Part 2.911 d 5 i Filing FCC ID: SWX-**UDR7** Ubiquiti Inc. the applicant certifies that, as of the date of the appli...

lang:en score:27 filesize: 286.29 K page\_count: 1 document date: 2024-12-12



Datasheet

Product:

UDR7

Overview

Dimensions

Ø110 x 184.1 mm  
(84.3 x 7.3")

Managed UniFi Devices

30+

Managed Cameras

(5) HD  
(2) 2K  
(1) 4K

Simultaneous Users Connected

300+

Default WAN Ports

(1) 10G SFP+  
(1) 2.5 GbE RJ45

LAN Ports

(3) 2.5 GbE RJ45 including (1) PoE

IDS/IPS Throughput

2.3 Gbps

Form Factor

Compact desktop

Coverage Area

160 m² (1,750 ft²)

UniFi Application Suite

Network

✓

Protect

✓

Access

✓

Talk

✓

Connect

✓

Security

Stateful Firewall

✓

Application-Aware Layer 7 Firewall

✓

DPI & Traffic Identification

✓

AXILOGI

Ubiquiti UniFi UDR7 Dream Router Datasheet

Datasheet for the Ubiquiti UniFi UDR7 Dream Router, detailing its specifications for networking, security, WiFi, hardware, and software features.

lang:en score:24 filesize: 591.27 K page\_count: 8 document date: 2025-04-08

UNIFIED COMPLIANCE LABORATORY

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NVLAP

ISO 17025

ACCREDITED

Ubiquiti UDR7 Radio RF Test Report Attachment - UNII-1 Band

This document provides detailed RF test results for the Ubiquiti UDR7 Digital Transmission Radio, covering emission bandwidth, RF output power, power spectral density, and occupied channel bandwidth in the UNII-1 frequency band, as performed by Unified Compliance Laboratory.

lang:en score:24 filesize: 1.53 M page\_count: 25 document date: 2024-12-12

UNIFIED COMPLIANCE LABORATORY

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NVLAP

ISO 17025

ACCREDITED

[pdf] Declaration of Conformity Test Report

Test Report WiFi Annex Ubiquiti Inc UDR7 Digital Transmission Radio SWX SWXUDR7 udr7  
427 West 12800 South Draper, UT 84020 Test Report Attachment FCC ID ISED ID  
Equipment Under Test Test Report Serial Number Date of Test s Report Issue Date  
SWX-**UDR7** 6545A-**UDR7 UDR7** TR9437\_01 13, 15 17 September 2024 23 October  
2024 Test Personnel Testing performed by Evan Hartzell Test Locati...

lang:en score:23 filesize: 2.61 M page\_count: 31 document date: 2024-10-23

[pdf]

UDR7 measurement report certification pptx Antenna Report Ubiquiti Inc Digital Transmission Radio SWX SWXUDR7 udr7

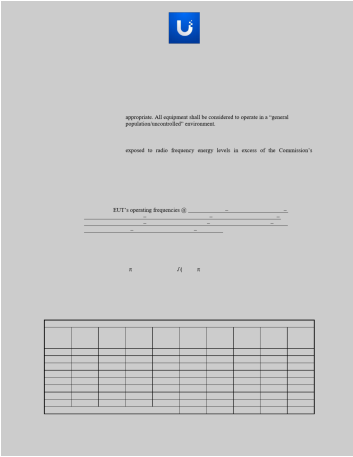
[UDR7] antenna measurement

2024/09/10  
Jerome Cheng

UDR7 measurement report certification pptx Antenna Report Ubiquiti Inc Digital Transmission Radio SWX SWXUDR7 udr7

**UDR7** antenna measurement 2024/09/10 Jerome Cheng BT measurement Antenna type: Dipole 2.4G Max gain frequency Model Peak gain dBi 4 117-03350 WIFI-2G measurement Antenna type: PIFA 2.4G Max gain frequency Model Peak gain dBi 5 117-06082 WIFI-5G measurement Antenna type: P...

lang:en score:23 filesize: 1.61 M page\_count: 6 document date: 2024-12-12



[pdf] Test Report SAR Rating

Jenn Warnell RF Exposure MPE Ubiquiti Inc UDR7 Digital Transmission Radio SWX SWXUDR7 udr7  
Maximum Permissible Exposure FCC Part 2 Sections 2.1091 and 2.1093 Test  
Requirement s : 15.407 f : ... s \*Simultaneous Transmission Worse case : 0.84 1.0 -  
0.16 25 Pass The safe distance for SWX-**UDR7** where Power Density is less than the  
MPE Limit listed above was found to be 25 cm. This device ...  
lang:en score:23 filesize: 178.34 K page\_count: 2 document date: 2025-01-02



Ubiquiti Dream Router 7: Comprehensive Specifications and Features

Explore the detailed specifications and features of the Ubiquiti Dream Router 7,  
covering its networking capabilities, security features, integrated WiFi standards,  
hardware components, and software requirements.  
lang:en score:23 filesize: 85.03 K page\_count: 5 document date: 2025-02-27



Test Report Attachment: SWX-UDR7 Wireless Device

This document presents the test report attachment for the Ubiquiti SWX-UDR7  
wireless device, detailing results for various RF performance tests including BLE  
band summary, RF output power, emission bandwidth, peak power spectral density,  
occupied channel bandwidth, band edge measurements, and spurious emissions.  
lang:en score:22 filesize: 1.47 M page\_count: 37 document date: 2024-12-13



[pdf] Declaration of Conformity Test Report

Test Report UNII 3 Annex Ubiquiti Inc UDR7 Digital Transmission Radio SWX SWXUDR7 udr7  
427 West 12800 South Draper, UT 84020 Test Report Attachment FCC ID ISED ID  
Equipment Under Test Test Report Serial Number Date of Test Report Issue Date  
SWX-**UDR7** 6545A-**UDR7 UDR7** TR9436\_01 10 September 2024 23 October 2024  
Test Personnel Testing performed by Evan Hartzell Test Location Testing ...  
lang:en score:22 filesize: 2.2 M page\_count: 46 document date: 2024-10-23





[UDR7 Wireless Device RF Test Report Attachment](#)

This document presents the RF conducted test results for the UDR7 wireless device, performed by Unified Compliance Laboratory. It covers compliance with FCC and ISSED regulations for the UNII-2, UNII-2a, and UNII-2c frequency bands, detailing device identification, testing facility accreditation, and a summary of RF performance metrics including emission bandwidth, output power, and power spectral density, all of which passed regulatory requirements.

lang:en score:21 filesize: 3.9 M page\_count: 66 document date: 2025-01-07



[Ubiquiti UDR7 RF Conducted Test Report Attachment](#)

This report details the RF conducted testing performed on the Ubiquiti UDR7 wireless radio by Unified Compliance Laboratory. It covers key performance metrics such as emission bandwidth, RF output power, in-band emissions, and power spectral density, adhering to regulatory standards.

lang:en score:21 filesize: 3.32 M page\_count: 64 document date: 2024-12-27



[Ubiquiti IMDA Standards Compliance for Network Devices](#)

List of Ubiquiti network devices that comply with IMDA Standards, including model numbers and compliance details. Information provided by Ubiquiti Inc.

lang:en score:21 filesize: 177.88 K page\_count: 2 document date: 2025-07-08



[\[pdf\]](#) Declaration of Conformity Test Report

Test Report UNII 7 Annex Ubiquiti Inc UDR7 Digital Transmission Radio SWX SWXUDR7 udr7  
427 West 12800 South Draper, UT 84020 Test Report Attachment FCC ID ISSED ID  
Equipment Under Test Test Report Serial Number Date of Tests Report Issue Date  
SWX-**UDR7** 6545A-**UDR7 UDR7** TR9639\_01 12 13 September 2024 27 December  
2024 Test Personnel Testing performed by Evan Hartzell and Trina Noor T...  
lang:en **score:21** filesize: 4.26 M page\_count: 75 document date: 2024-12-27



[\[pdf\]](#) Declaration of Conformity Test Report

Test Report UNII 6 Annex Ubiquiti Inc UDR7 Digital Transmission Radio SWX SWXUDR7 udr7  
427 West 12800 South Draper, UT 84020 Test Report Attachment FCC ID ISSED ID  
Equipment Under Test Test Report Serial Number Date of Tests Report Issue Date  
SWX-**UDR7** 6545A-**UDR7 UDR7** 9641\_01 10 12 September 2024 30 December 2024  
Test Personnel Testing performed by Evan Hartzell Test Location Test...  
lang:en **score:21** filesize: 4.3 M page\_count: 71 document date: 2024-12-30



[Ubiquiti RoHS Compliance Statement](#)

RoHS compliance statement for Ubiquiti Inc. products, detailing restricted substances and their presence/exemptions according to CNS15663 for various product categories including routers, access points, switches, cameras, and more.  
lang:it **score:20** filesize: 330.19 K page\_count: 9 document date: 2025-04-02





| Technical Specifications         |  |
|----------------------------------|--|
| <b>Mechanical</b>                |  |
| Dimensions                       | 80 (H) x 108 x 1 mm (3.15 x 4.25 x 0.39)   |
| Weight                           | 1.1 kg (2.4 lb)  |
| Enclosure material               | Polycarbonate  |
| <b>Hardware</b>                  |  |
| Processor                        | Quad-core ARMv8 Cortex-A53 at 1.5 GHz  |
| System memory                    | 2 GB DDR4  |
| Expansion slot                   | MiniPCIe memory slot*  |
| Management interface             | USB port<br>Bluetooth  |
| Networking interface             | LAN<br>Gigabit Ethernet (RJ45 ports)<br>Wi-Fi<br>802.11ac MIMO 2x2 (2.4/5 GHz)<br>802.11n MIMO 2x2 (2.4 GHz)<br>802.11b/g/n MIMO 2x2 (2.4 GHz) |
| PoE interface                    | 10/100/1000 Ethernet (RJ45)  |
| IDS/IPS throughput               | 2.5 Gbps   |
| Power method                     | Universal AC input: 100V-240V AC, 1.5A Max., 50/60 Hz  |
| Power supply                     | AC/DC, internal, 50W   |
| Supported voltage range          | 100V-240V AC   |
| Max. power consumption           | 20W (excluding PoE output)   |
| PoE budget                       | 15.4W  |
| Max. PoE wattage per port by PSE | 15.4W  |
| Voltage range PoE mode           | 44V-57V DC   |
| Max. TX power                    | 20 dBm   |
| 2.4 GHz                          | 20 dBm   |
| 5 GHz                            | 20 dBm   |
| 6 GHz                            | 20 dBm   |
| Wi-Fi                            | 2x2 MIMO (2.4/5 GHz)<br>2x2 MIMO (2.4/5 GHz)<br>2x2 MIMO (2.4/5 GHz)   |
| Throughput rate                  | 600 Mbps (2.4 GHz)<br>1.3 Gbps (5 GHz)<br>1.7 Gbps (6 GHz)   |
| 2.4 GHz                          | 600 Mbps (2.4 GHz)   |
| 5 GHz                            | 1.3 Gbps (5 GHz)   |
| 6 GHz                            | 1.7 Gbps (6 GHz)   |
| Antenna gain                     | 2 dBi  |
| 2.4 GHz                          | 2 dBi  |
| 5 GHz                            | 2 dBi  |
| 6 GHz                            | 2 dBi  |
| LED display                      | 1.3" 480x320 pixels  |
| Button                           | Full-size touch  |
| LEDs                             | RGB LEDs   |

[pdf] Specifications Dimension Guide Catalog

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67c843ef78863getic ee files catalogue 5848 udr7 67c843ef78863 |||

Technical Specifications Mechanical Dimensions Weight Enclosure material  
Hardware Processor System memory Expansion slot Management interface  
Networking interface PoE interface IDS/IPS throughput Power method Power supply  
Supported voltage range Max. power consumption PoE budget Max. PoE wattage  
per...

lang:en score:11 filesize: 66.25 K page\_count: 2 document date: 2025-03-04