

# 4K HDR 4×4 HDMI to HDMI Matrix Switcher





# **Version Information**

| Version | Release Date | Notes  |
|---------|--------------|--|
| 6       | Apr 2024     | Updated to new color and other format changes; no documentation changes. |



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## **Operating Notes**

As of this writing, there are no firmware updates for this product. When new firmware is released, update instructions will be included with the firmware and will be appended to this manual.



**IMPORTANT:** Visit http://www.atlona.com/product/AT-HDR-H2H-44MA for the latest firmware updates and User Manual.

## Warranty

To view the product warranty, use the following link or QR code:

https://atlona.com/warranty/.



## **Important Safety Information**



CAUTION: TO REDUCT THE RISK OF ELECTRIC SHOCK DO NOT OPEN ENCLOSURE OR EXPOSE TO RAIN OR MOISTURE. NO USER-SERVICEABLE PARTS INSIDE REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance instructions in the literature accompanying the product.

The information bubble is intended to alert the user to helpful or optional operational instructions in the literature accompanying the product.

- 1. Read these instructions.
- 2. Keep these instructions.
- 3. Heed all warnings.
- 4. Follow all instructions.
- 5. Do not use this product near water.
- 6. Clean only with a dry cloth.
- 7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8. Do not install or place this product near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

- 9. Do not defeat the safety purpose of a polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the product.
- 11. Only use attachments/accessories specified by Atlona.
- 12. To reduce the risk of electric shock and/or damage to this product, never handle or touch this unit or power cord if your hands are wet or damp. Do not expose this product to rain or moisture.
- 13. Unplug this product during lightning storms or when unused for long periods of time.
- 14. Refer all servicing to qualified service personnel. Servicing is required when the product has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the product, the product has been exposed to rain or moisture, does not operate normally, or has been dropped.



## FCC Compliance

FCC Compliance and Advisory Statement: This hardware 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 in a commercial installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed or used in accordance with the instructions, may cause harmful interference to radio communications. However there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: 1) reorient or relocate the receiving antenna; 2) increase the separation between the equipment and the receiver; 3) connect the equipment to an outlet on a circuit different from that to which the receiver is connected; 4) consult the dealer or an experienced radio/TV technician for help. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. Where shielded interface cables have been provided with the product or specified additional components or accessories elsewhere defined to be used with the installation of the product, they must be used in order to ensure compliance with FCC regulations.

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## Introduction

The Atlona AT-HDR-H2H-44MA is an 4×4 HDMI matrix switcher for high dynamic range (HDR) formats. It is HDCP 2.2 compliant and supports 4K/UHD video @ 60 Hz with 4:4:4 chroma sampling, as well as HDMI data rates up to 18 Gbps. The AT-HDR-H2H-44MA is ideal for professional HDMI signal routing in residential and commercial applications were a number of AV sources must be shared throughout four zones to reduce the installed equipment footprint and to reduce the costs associated with multiple, redundant devices. It is compatible with all video resolutions, audio formats, and color space formats supported in the HDMI 2.0b specification, plus the ability to pass metadata for HDR content. The HDR-H2H-44MA includes EDID and HDCP management features, and can send CEC display control independently to each output. An unbalanced analog audio output is paired with each HDMI input for sending de-embedded HDMI audio to a whole-house audio system. The HDR-H2H-44MA can be controlled via Ethernet, RS-232, and IR.

## **Features**

- Supports resolutions up to 4K/UHD 60Hz @ chroma sub-sampling 4:2:0 10-bit
- HDCP 2.2 compliant
- EDID learning for up to 4 display EDIDs
- Built in internal EDID mode provides 14 unique EDIDs to ensure compatibility
- Multiple control options such as RS-232, IR, TCP/IP, webGUI, and front panel
- Multi-channel audio pass through up to Dolby Digital Plus, Dolby TrueHD, DTS-HD Master Audio, and Dolby Atmos

## **Package Contents**

1 x AT-HDR-H2H-44MA

- 1 x Captive screw connector, 5-pin
- 4 x Captive screw connector, 4-pin
- 1 x 24V DC power supply
- 1 x Pair mounting ears w/screws
- 4 x Feet w/screws
- 1 x Installation Guide



## **Panel Description**

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### 1 OSD

Front panel OSD will display the on screen menu for routing, EDID management, and device info.

**NOTE:** Starting on firmware 1.0.11, the front panel LCD will turn off after 30 seconds of inactivity. Press any button to activate the LCD again.

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### 2 Function Buttons

Power - Sets the unit in and out of standby. Enter - Used for making selection within the front panel OSD.

**FNC** - Use to switch number buttons to their secondary function.

CANCEL - Navigates back one step in the front panel OSD.

### 3 Number Buttons

Use for selection of inputs and outputs.

1 - Press FNC + 1 to route selected input to all outputs.

2 - Press FNC + 2 to turn the IR receiver window on and off.

3 - Press FNC + 3 to open the EDID menu.

4 - Press FNC + 4 to display the device firmware. Press 4 again to view IP, IP port, and MAC.

### 4 HDMI IN

Connect HDMI cables to these ports from HDMI sources.

### 5 HDMI OUT

6

Connect an HDMI cable from this port to an HDMI display, extender, or switcher.

7

8

9

10

## 6 AUDIO OUT

This port provides source audio 2CH de-embedding. The audio of the HDMI inputs will be directly deembedded to an audio DSP, amplifier, or player device.

### 7 LAN

Connect an Ethernet cable from this port to a Local Area Network (LAN). This port provides access to the webGUI or TCP/IP control.

#### 8 FW

Connect a mini USB cable to this port to update the firmware.

#### 9 Control Port

Connect a third party controller or PC to control the matrix through either IR or RS-232.

### 10 DC 24V

Connect the included 24V DC power supply to this power receptacle.



## Installation

## Control

A 5-pin captive screw connector for control has been included. The first three terminals are RS-232 control, the last two terminals are for IR.

- 1. Use wire strippers to remove a portion of the cable jacket.
- 2. Remove at least 3/16" (5 mm) from the insulation of each wire.
- 3. Insert the wires into the correct terminal on the included captive screw connector, as shown below.
- 4. Tighten the screws to secure the wires. Do not use high-torque devices as this may damage the screws and/or connector.







Pin out will be determined by the RS-232 cable and connect as RX (receive), TX (transmit) and  $\pm$  (Ground).



IR

IR IN is connected by a ground and signal wire. Use with 3rd party control systems. For easy termination, Atlona recommends using the 2 meter IR cable AT-LC-CS-IR-2M.

## **Audio**

Connect to an audio DSP, amplifier, or other audio distribution or player devices. Only unbalanced connections may be used.



**NOTE:** Audio is directly de-embedded from the HDMI IN ports and are <u>not</u> zone output audio ports.





## **Mounting Instructions**

The AT-HDR-H2H-44MA can be placed freestanding on top of a desk, a table, or in a cabinet. To prevent damage to the surfaces or unnecessary movement of the matrix, four feet have been included.

## Rack installation

- 1. Remove the front two case screws from the sides of the case.
- 2. Attach the included rack ears to each side of the AT-HDR-H2H-44MA using the case screws.
- 3. Install the HDR-H2H into a rack, using four rack screws.



**NOTE:** Increase the air flow as needed to maintain the recommended temperature inside the rack.

**NOTE:** Do not exceed the maximum weight loads for the rack. Install heaver equipment in the lower part of the rack for stability.





### Surface mounting

The AT-HDR-H2H-44MA can be placed freestanding on top of a desk, a table, or in a cabinet. To prevent damage to the surfaces or unnecessary movement of the matrix, four feet have been included.

- 1. Turn the unit upside down.
- 2. Install each foot using the included feet screws, the rubber grips of the feet should be facing up during installation.
- 3. Turn the unit right-side up and place it in the desired location.





## **Connection Instructions**

- 1. Connect up to 4 HDMI sources to the HDMI IN ports.
- 2. Connect up to 4 HDMI displays to the HDMI OUT ports.
- 3. For control, connect to the captive screw port for IR and RS-232, or the LAN port for TCP/IP and webGUI.
- 4. Connect the included 24V power supply to the DC 24V port.
- 5. Connect the power supply to an AC outlet.

## **Connection Diagram**





## WebGUI

i

The AT-HDR-H2H-44MA includes a built-in webGUI, which allows easy management and control of all features. Follow the instructions below to access the webGUI.

1. View the IP address of the unit using the front panel OSD.

- Press the FNC button.
- Press button 4 (INFO). The firmware version will display on the front panel screen.
- Press button 4 again to bring up the IP address.

**NOTE:** If there is no IP address or the unit is not connected to a DHCP network, press and hold buttons 1 + 2 for 5 seconds to switch the unit to a static IP address. The default static IP address and netmask is 192.168.1.254 255.255.0.0.

- 2. Launch a web browser and enter the IP address of the unit.
- 3. The AT-HDR-H2H-44MA Login page will be displayed.
- 4. Enter the following information on the **Login** page.

| Login:    | root   |
|-----------|--------|
| Password: | Atlona |

5. Click the Login button.



6 The info page will display, giving all the general information of the AT-HDR-H2H-44MA .

| Connecting Technology    | AT               | -HDR-H2        | 2H-44MA | Login         |         |          |
|--------------------------|------------------|----------------|---------|---------------|---------|----------|
| Info I/O Settings RS-232 | EDID             | Config         | System  |               |         | Logout   |
| C Sustan                 | Info             |                |         |               |         |          |
| System                   | Name : A         | T-HDR-H2H-44M4 |         |               |         |          |
| Softy                    | vare Version : 1 | 0.00           |         |               |         |          |
| On-T                     | ime(d-h:m:s): 0  | -0:3:19        |         |               |         |          |
|                          |                  |                |         |               |         | J        |
| C Video I                | nfo              |                |         |               |         | <b>`</b> |
| Qutpu                    | t 1:             |                | Ou      | tput 2:       |         |          |
| Activ                    | re Input : Ir    | nput 1         | A       | ctive Input : | Input 1 |          |
| Signa                    | al Type :        |                | S       | ignal Type :  |         |          |
| Video                    | o Format :       |                | v       | ideo Format : |         |          |
| Aspe                     | ct :             |                | A       | spect :       |         |          |
| Color                    | Space :          |                | с       | olor Space :  |         |          |
| Color                    | r Depth :        |                | с       | olor Depth :  |         |          |
|                          |                  |                |         |               |         |          |
| Outpu                    | t 3:             |                | Ou      | tput 4:       |         |          |
| Activ                    | re Input : Ir    | nput 3         | A       | ctive Input : | Input 1 |          |
| Signa                    | al Type :        |                | S       | ignal Type :  |         |          |
| Vide                     | o Format :       |                | v       | ideo Format : |         |          |
| Aspe                     | ct :             |                | A       | spect :       |         |          |
| Color                    | Space :          |                | c       | olor Space :  |         |          |
| Color                    | Depth :          |                | с       | olor Depth :  |         |          |
|                          |                  |                |         |               |         | J        |



7 Select **I/O Settings** from the top menu.

|      | Connecting Technol | NA.    |           | AT-HDR- | H2H-44MA | I/O Set | tings |   |
|------|--------------------|--------|-----------|---------|----------|---------|-------|---|
| info | I/O Settings       | RS-232 | EDID      | Config  | System   |         |       | L |
|      |                    | Output |           |         |          |         | ]     |   |
|      |                    | Input  | Selection |         |          |         |       |   |
|      |                    | Outp   | out 1     | Input 1 |          | •       |       |   |
|      |                    | Outp   | out 2     | Input 1 |          | •       |       |   |
|      |                    | Outp   | out 3     | Input 3 |          | •       |       |   |
|      |                    | Outp   | out 4     | Input 1 |          | •       |       |   |
|      |                    | All C  | output    | Select  |          | •       |       |   |
|      |                    | Outp   | ut Name   |         |          |         |       |   |
|      |                    | Outp   | out 1     |         | Output 1 | Save    |       |   |
|      |                    | Outp   | out 2     |         | Output 2 | Save    |       |   |
|      |                    | Outp   | out 3     |         | Output 3 | Save    |       |   |
|      |                    | Outp   | out 4     |         | Output 4 | Save    |       |   |

### Output

Input Selection - Select the input to route to the output.

Output Name - The outputs have the option for labeling to help make routing and switching simpler. Label each output individually. Type the name in the box, and press save.

| Input           |         |      |
|-----------------|---------|------|
| HDCP Settings   |         |      |
| Input 1         | ON      |      |
| Input 2         | ON      |      |
| Input 3         | ON      |      |
| Input 4         | ON      |      |
| Input Name      |         |      |
| Input 1         | Input 1 | Save |
| Input 2         | Input 2 | Save |
| Input 3         | Input 3 | Save |
| Input 4         | Input 4 | Save |
| Analog Audio    |         |      |
| Analog Audio 1  | UNMUTE  |      |
| Analog Audio 2  | UNMUTE  |      |
| Analog Audio 3  | UNMUTE  |      |
| Analog Audio 4  | UNMUTE  |      |
|                 |         |      |
|                 |         |      |
| Preset          |         |      |
| Store Select •  | ]       |      |
| Recall Select • |         |      |
|                 |         |      |

### Input

HDCP Settings - Toggle HDCP reporting between compliant (on) and non-compliant (off).

Input Name - The inputs have the option for labeling to help make routing and switching simpler. Label each input individually. Type the name in the box, and press save.

Analog Audio - Mute and unmute the output audio on the selected Analog Audio port.

### Preset

Store - Save the current I/O route to memory.

Recall - Load a previously saved I/O route.



8 Select **RS-232** from the top menu.

| <b>\</b> |              | NA.   |  | AT-HDR     | -H2H-44MA | RS-232 |        |
|----------|--------------|---|--|------------|-----------|--------|--------|
| Info     | I/O Settings | RS-232  | EDID   | Config     | System    |        | Logout |
|          |              | <b>RS-232</b><br><b>RS-7</b><br><b>Con</b><br>Bi<br>D<br>Pi<br>SI | 232 Paramete<br>nsole<br>aud rate 1152<br>ata bit 8<br>arity None<br>top bit 1 | er Setting | Save      |        |        |

## **RS-232** Parameter Setting

Console - Select the baud rate, data bit, parity, and stop bit. Default baud rate, data bit, parity, and stop bit is 1152000, 8, None, and 1.

9 Select **EDID** from the top menu.

| <u>_</u> | Connecting Techno | NA.   | A   | T-HDR-H2   | H-44MA                                       | EDID                         |        |
|----------|-------------------|---|---|--|--|------------------------------|--------|
| Info     | I/O Settings      | RS-232  | EDID  | Config Sy  | stem   |                              | Logout |
|          |                   | EDID Set<br>Input 2<br>Input 3<br>Input 4<br>EDID Sav<br>MEM 12<br>MEM 2<br>MEM 3<br>MEM 42 | tings<br>Default<br>Default<br>Default<br>Default<br>Ed<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Communication<br>Com | save from<br>save from<br>save from<br>save from | Select •<br>Select •<br>Select •<br>Select • | Save<br>Save<br>Save<br>Save |        |

### **EDID Settings**

Input - Select the EDID from the drop down list.

## **EDID Saved**

Save from - Save the output's EDID to memory to be loaded to the inputs.



#### 10 Select **Config** from the top menu.

| <u></u> |              | NA.                                       |  | AT-HDR-       | -H2H-44MA | Config |        |        |
|---------|--------------|---|--|---------------|-----------|--------|--------|--------|
| Info    | I/O Settings | RS-232                                    | EDID   | Config        | System    |        |        | Logout |
|         |              | Config<br>Web<br>Old<br>Old<br>Net<br>Con | uration<br>b & Telnet L<br>I Username<br>I Password<br>w Username<br>w Password<br>nfirm New Pas<br>User Login S | ogin Settings | root      | Save   |        |        |
|         |              |   | Usernar  | ne            | Password  | Edit   | Del    |        |
|         |              |   |  |               |           | Add    | Remove |        |
|         |              |   |  |               |           | Add    | Remove |        |
|         |              |   |  |               |           | Add    | Remove |        |
|         |              |   |  |               |           |        |        | ]      |

## Web & Telnet Login Settings

Password - Update the admin password then press Save.

#### All User Login Settings

Username & Password - Add extra users for control and login.

#### 11 Select **System** from the top menu.

|                   | AT-HDR-H2H-44MA System   |       |
|-------------------|--|-------|
| Info I/O Settings | RS-232 EDID Config System  | Logou |
|                   | Network  P Mode: P Mode P Mod |       |

#### Network

IP Mode - Switch between static and DHCP modes.

IP, Netmask, Gateway, Telnet Port - This will display the current IP settings on DHCP. When set to static, fill in the IP address, netmask, gateway, and telnet port.

Telnet Login Mode - Toggle telnet login mode on and off. If on, a username and password will be required to control the unit via TCP/IP.

Telnet / SSH Timeout - Set the amount of time between actions before the current user is logged out.

Broadcast - Toggles broadcast on and off.





### System

Power - Toggles the unit between on and standby.

Lock - Lock and unlock the front panel keys.

IR - Turns the IR window on the front of the unit on and off.

Reset to Default - Select to set the unit back to the original factory settings.

Firmware Update - Press **Choose File** to search the local PC for the most recent firmware file. Press **Update** once the file is selected.



## **USB Updating**

The HDR-H2H can be updated through the FW port on the back of the unit, if the webGUI is not available for updating.

**Requirements:** 

- New firmware Downloaded from atlona.com
- AT-HDR-H2H-XX
- Computer running Windows
- USB-A to USB mini-B cable
- 1. Connect power to the HDR-H2H.
- Press and hold the CANCEL button on the front panel, while connecting the USB-A to USB mini-B cable from the computer, to the FW port on the rear of the unit. Continue to hold down the CANCEL button until Step 3.



3. Release the CANCEL button once the USB UPDATE folder is displayed.

If the folder is not displayed, automatically, select the USB UPDATE drive from Windows Explorer.

- 4. Delete any files found within the USB UPDATE drive folder.
- 5. Drag and drop the new firmware file into the folder. The power LED will flash red while the unit is updating.
- 6. Once the unit has automatically rebooted and the power button's LED is back to blue, disconnected the USB cable from the unit and computer. The update is now complete.



# Appendix

## **Specifications**

| Video                 |   |  |  |  |  |  |  |
|-----------------------|---|--|--|--|--|--|--|
| UHD/HD/SD             | 4096×2160@24/25/30/50/60Hz,<br>1080p@23.98/24/25/29.97/30/50<br>720p@50/59.94/60Hz, 576p, 576 | 4096×2160@24/25/30/50/60Hz, 3840×2160@24/25/30/50/60Hz, 2048x1080p,<br>1080p@23.98/24/25/29.97/30/50/59.94/60Hz, 1080i@50/59.94/60Hz,<br>720p@50/59.94/60Hz, 576p, 576i, 480p, 480i  |  |  |  |  |  |
| VESA                  | 2560×2048, 2560×1600, 2048×1<br>1600×900, 1440×900, 1400×105<br>1280×768, 1152×768, 1024×768  | 2560×2048, 2560×1600, 2048×1536, 1920×1200, 1680×1050, 1600×1200,<br>1600×900, 1440×900, 1400×1050, 1366×768, 1360×768, 1280×1024, 1280×800<br>1280×768, 1152×768, 1024×768, 800×600 |  |  |  |  |  |
| Color Space           | YUV, RGB  | /UV, RGB   |  |  |  |  |  |
| Chroma Sampling       | 4:4:4, 4:2:2, 4:2:0   | 1:4:4, 4:2:2, 4:2:0  |  |  |  |  |  |
| Color Depth           | 8-bit, 10-bit, 12-bit   |  |  |  |  |  |  |
| HDR                   | HDR10 and Dolby® Vision™ @ 6  | 60Hz   |  |  |  |  |  |
| Audio                 |   |  |  |  |  |  |  |
| HDMI IN / OUT         | PCM 2Ch, LPCM 5.1, LPCM 7.1<br>Dolby TrueHD, DTS-HD Master A                                  | , Dolby® Digital, DTS® 5.1, Dolby Digital Plus™,<br>Audio™, Dolby Atmos®, DTS:X®   |  |  |  |  |  |
| Sample Rate           | 32kHz, 44.1kHz, 48kHz, 88.2kHz  | z, 96kHz, 176.4kHz, 192kHz   |  |  |  |  |  |
| Bit Rate              | up to 24-bit  |  |  |  |  |  |  |
| Distance              | Epot  | Motore   |  |  |  |  |  |
| HDMLIN / OUT @ 4K     | 15  | 5  |  |  |  |  |  |
| HDMI IN / OUT @ 1080p | 30  | 10   |  |  |  |  |  |
|                       |   |  |  |  |  |  |  |
| Signal                |   |  |  |  |  |  |  |
| Bandwidth             | 18 Gbps   |  |  |  |  |  |  |
| CEC                   | Yes   |  |  |  |  |  |  |
| HDCP                  | 2.2   |  |  |  |  |  |  |
| Temperature           | Fahrenheit  | Celsius  |  |  |  |  |  |
| Operating             | 32 to 122   | 0 to 50  |  |  |  |  |  |
| Storage               | -40 to 158  | -40 to 70  |  |  |  |  |  |
| Humidity (RH)         | 20% to 90%, non-condensing  |  |  |  |  |  |  |
| Power                 |   |  |  |  |  |  |  |
| Consumption           | 34.3 W  |  |  |  |  |  |  |
| Idle Consumption      | 11.1 W  |  |  |  |  |  |  |
| BTU/h                 | 116.96 (normal) / 37.85 (idle)  |  |  |  |  |  |  |
| Supply                | Input: 110 - 240 VAC, 50 / 60 Hz  |  |  |  |  |  |  |
|                       | Output: 24V DC, 2.7A  |  |  |  |  |  |  |
| Dimonoiono            | Inches  | Millimotoro  |  |  |  |  |  |
|                       | $1.72 \times 17.24 \times 10.00$  | Millimeters  |  |  |  |  |  |
|                       | 2 18 x 18 03 x 10 23  | 44.00 X 438.00 X 254.00  |  |  |  |  |  |
| Dook Size             | 1 DU  | 55.50 × 401.00 × 200.00  |  |  |  |  |  |
| Rack Size             | I RU  |  |  |  |  |  |  |
| Weight                | Pounds  | Kilograms  |  |  |  |  |  |
| Device                | 6.10  | 2.78   |  |  |  |  |  |
| Certification         |   |  |  |  |  |  |  |
|                       | CE ECC III and IVD contificate  | as Level VI compliant  |  |  |  |  |  |
| Linit                 |   |  |  |  |  |  |  |
| Unit                  |   |  |  |  |  |  |  |



## Appendix

| Compliance |  |  |  |  |  |
|------------|--|--|--|--|--|
| NDAA-889   | Yes  |  |  |  |  |
| ТАА        | Yes  |  |  |  |  |
|            |  |  |  |  |  |
| Warranty   |  |  |  |  |  |
| 3 years    | View the full warranty information here: https://atlona.com/warranty |  |  |  |  |



