

# VW1608

## 16 x 8 Modular Video Wall Processor

### Quick Start Guide

HDMI™  
HIGH-DEFINITION MULTIMEDIA INTERFACE

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Released: 12/2025



MISC 10000076  
12/2025 V1.0

VW1608 16 x 8 4K Modular Video Wall Processor

www.aten.com

#### A Hardware Overview

- 1 LCD display
- 2 alarm LED
- 3 redundant power LED
- 4 primary power LED
- 5 function pushbuttons
- 6 recessed handle
- 7 fan module
- 8 video input board slots\*
- 9 video output board slots
- 10 redundant power slot
- 11 primary power module
- 12 power switch
- 13 system HDMI local output
- 14 USB Type-A ports
- 15 RJ-45 port (chain out)
- 16 RJ-45 port (chain in)
- 17 RS-232 serial port
- 18 grounding terminal
- 19 CPU board
- 20 Ethernet port

**Note:** The top row of input board slots are reserved for potential function board expansion.

#### B Installation

##### Note:

1. Install the power module onto the unit in advance. Scan the QR code to access the power module installation guide.
2. Make sure all the equipment you are connecting to the unit is turned off and disconnected from the power source.

1 Use a grounding wire to ground the unit by connecting one end of the wire to the grounding terminal, and the other end to a suitable grounded object.

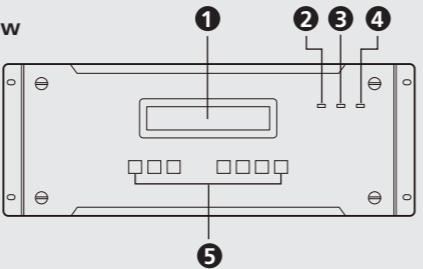
**Note:** Do not omit this step. Proper grounding helps prevent damage to the unit from power surges or static electricity.

2 Optionally install the video input boards/video output boards to the VW1608 for expansion. Please refer to the user manual for the detailed steps.

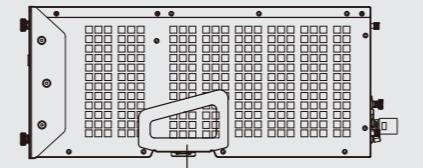
(a) Install the VW784 video input board(s) to the video input board slot(s).  
(b) Install the VW884 video output board(s) to video output board slot(s).

#### A Hardware Overview

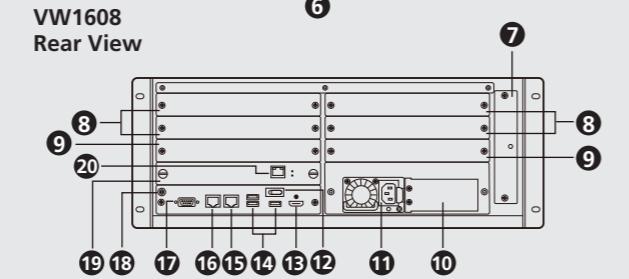
##### VW1608 Front View



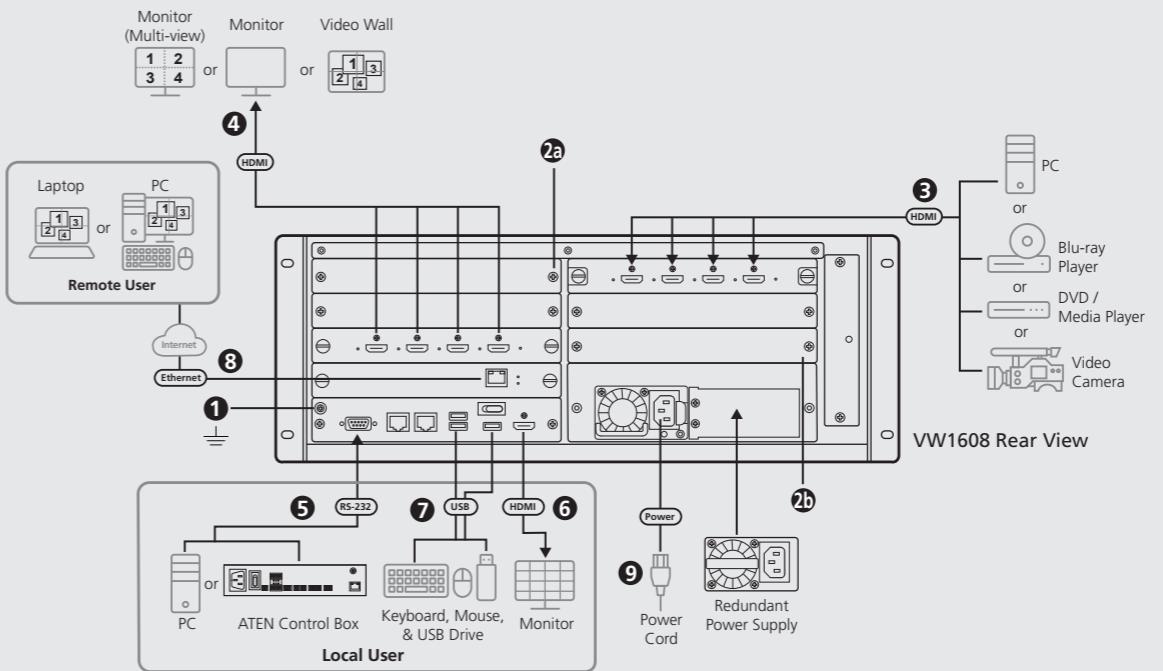
##### VW1608 Side View



##### VW1608 Rear View



#### B Installation



##### Note:

1. The redundant power supply is optional and for hot-standby operation.
2. Currently the USB ports support storage and firmware upgrades.

#### Package Contents

- 1 VW1608 16 x 8 Modular Video Wall Processor
- 1 power cord
- 1 power module
- 1 cable strap
- 1 user instructions

#### Support and Documentation Notice

All information, documentation, firmware, software utilities, and specifications contained in this package are subject to change without prior notification by the manufacturer.

To reduce the environmental impact of our products, ATEN documentation and software can be found online at <http://www.aten.com/download/>

**Technical Support**  
[www.aten.com/support](http://www.aten.com/support)

#### Scan for more information

[Product Page](#) [User Manual](#)



#### Power Module Setup



The terms HDMI, HDMI High-Definition Multimedia Interface, HDMI trade dress and the HDMI Logos are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.

#### Web GUI

Log in the Web GUI to configure advanced system settings, such as profile schedules, user accounts, and remote real-time viewing.

- For DHCP environment
  1. Visit the product page and download *IP Installer* from the *Support and Downloads* tab.
  2. Run *IP Installer* and get the IP address to log in to the Web GUI.
  3. Use the default login credentials *administrator* and *password* upon first login.
- If DHCP is disabled, use the default IP address 192.168.0.60 and log in with default login credentials *administrator* and *password*.

#### D LED Indicators

LED	LED Activity	Description
Power	lights green	Indicates that the primary power module is in operation.
	blinks	Indicates that the unit is in sleep mode.
Redundant	lights green	Indicates that the redundant power module is in operation.
Alarm	lights red	Indicates that a system error occurred. To obtain details for the issue, log in to the Web GUI. The alarm LED goes off once the system error is fixed.

3 Connect your video source device(s) to the HDMI input port(s) of the VW784 video input board(s).

4 Connect your video display device(s) to the HDMI output port(s) of the VW884 video output board(s).

5 (Optional) To control the VW1608 via serial communication, connect your PC or ATEN Control Box to the unit's RS-232 port.

6 (Optional) To monitor, preview, and control the real-time content, connect an HDMI-enabled display to the system HDMI local output port.

7 (Optional) To upgrade firmware, set the video wall background image, or store the log event data, connect your data storage device(s) to the USB Type-A port(s).

8 (Optional) To remotely operate the VW1608 via the Web GUI, connect the Ethernet port of the CPU board to the network using an Ethernet cable.

9 Connect the supplied power cord to the unit's primary power socket after powering on all other connected equipment. Turn on the unit's power switch, and the primary power LED lights green to indicate the unit is powered on.

**Note:** Optionally install the redundant power module to VW1608's redundant power slot for hot-standby operation.

#### C Operation

The VW1608 video wall processor can be operated by the following 2 methods:

##### Front-panel Pushbuttons

1. To control and configure the options available to the unit using the following pushbuttons:

- Use the navigation buttons (the **Up** and **Down** arrows) to scroll through the options listed on the LCD display.
- Use the **Enter** button to make your selection.
- Use the **ESC** button to cancel an option or go back to the previous menu screen.

• Use the **Menu** button to enter the main menu screen.

- Use the **Profile** button to view, load, and apply the profile(s) that you set in the Web GUI.
- Use the **Local Output** button to configure and preview the content through the HDMI-enabled display connected to the unit's system HDMI local output port.

2. To unlock the on-screen display:

- If password protection is enabled, press any button to start, input your password using the **Up** or **Down** buttons to cycle through the digits, press the **Enter** button to advance to the next digit, and finally press **Enter** button to submit the password to unlock the LCD display. To clear the current digit and go back to the previous digit, press the **ESC** button.
- By default, the password protection is disabled. Please press any button to start, and then press the **Enter** button to unlock the LCD display.

3. To access system settings, please unlock the LCD display, press the **Menu** button to enter the main **menu** screen, select the function you'd like to proceed using the **Up** or **Down** buttons, and press the **Enter** button to enter the submenu screen for further configuration.

4. To assign the input to an output, press the **Menu** button to enter the main menu screen to select **Operation Mode**, choose the zone to be edited, and go to **Change Input** to designate the output device/window and the input source.

5. To set the background, enter the main menu screen and go to **Operation Mode** > **Background** to choose the system built-in image/your uploaded image, or to load the image(s) from the connected USB drive. Select your background image and press the **Enter** button to set the background.

6. To upgrade the firmware of the VW1608 video wall processor, press the **Menu** button to enter the main menu screen, and select **F/W Upgrade** to load the firmware file from the connected USB drive.