iWall X

1080P HDMI Video Wall Controller

Version 1.0

Overview

The iWall X family of video wall controllers are high performance systems based on pure hardware architecture. They are ideal for most video wall applications, ranging from digital signage to command and control. Employing cutting edge crossbar technology and high-speed FPGA, iWall X video wall controllers offer systems with 4x4, 4x8, 4x12 and 8x8 HD graphics inputs and outputs.

The iWall X controllers support a maximum of 4x video overlay windows per display. The layout of the windows can be configured by iWall X, wall management software on both Windows PC or Android tablet.

The iWall X controllers offer extremely fast start up performance and a virus and software conflict free working environment, which guarantees its 24/7 hassle free operational ability.
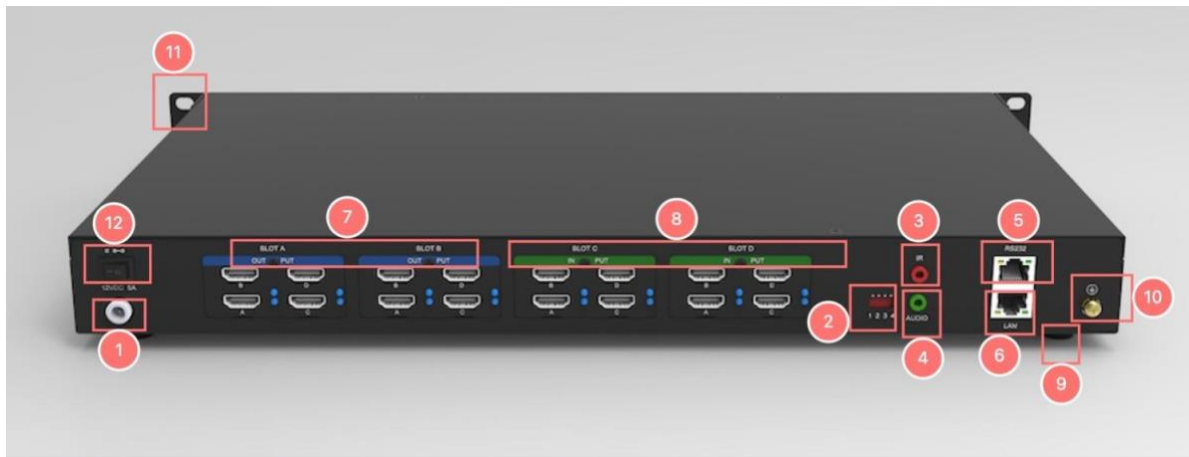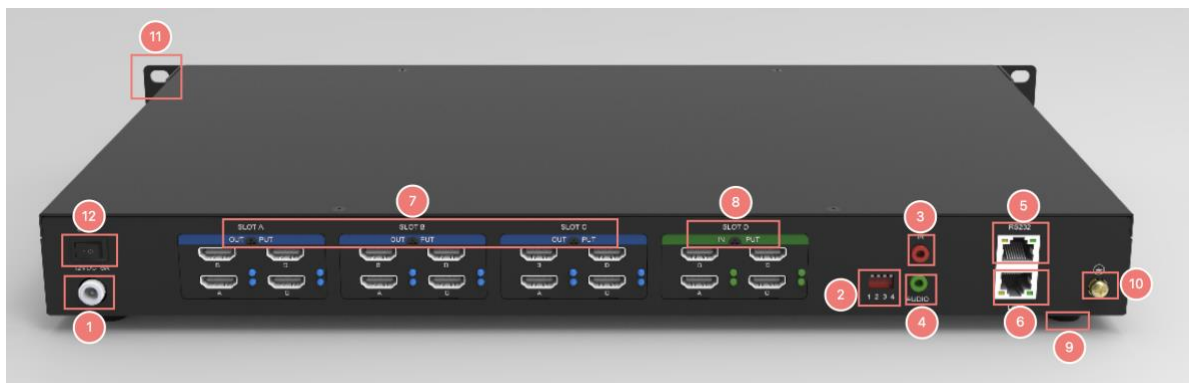
Interfaces

Model: iWall X404

Model: iWall X408

Model: iWall X808

Model: iWall X412

No.	Description
1	12V Power supply
2	Dial switch
3	IR receiver (Reserved for future)

4	Audio Out (3.5mm)
5	RS232
6	10/100M LAN
7	HDMI output (Blue light)
8	HDMI input (Green light)
9	Chassis foot pad
10	GND
11	Handle
12	Power switch

Features

- Advanced CrossBar technology
- Robust FPGA video data process technology
- No PC vulnerabilities
- 1 to 12 display outputs
- 4x video overlay windows per display
- Video windows zoom in, zoom out, moving, overlay, roaming, resizing and switching
- With 4x4, 4x8, 4x12 and 8x8 HD graphics inputs and outputs
- Low power consumption
- Low capture & display latency
- Support both LCD and LED videowall
- Presets saving and auto switching
- Video cropping
- Scrolling text*
- Embedded HDMI audio in all inputs
- 1x de-embedded audio from any input
- One-touch audio switching, mute or unmute
- Drag-and-Drop software operation
- One-touch Power On/ Off the whole videowall
- Seamless switching without any blank intervals
- Both videowall and matrix mode
- TCP/IP, RS232 Control
- Multiple user levels management
- Background picture

*The scrolling text will be available for scrolling feature in Q3, 2023.

Spec

Series	iWall X			
Name	1080P HDMI Video Wall Controller			
Models	iWall X404	iWall X408	iWall X808	iWall X412
Video Inputs	4x HDMI	4x HDMI	8x HDMI	4x HDMI
Video Outputs	4x HDMI	8x HDMI	8x HDMI	12x HDMI
HDMI version	HDMI 1.3			
HDMI distance	15 meters via good quality copper cable			
HDCP version	Not support HDCP			
Size	1U			
I/O resolutions	Max. 1920x1080 60Hz, support customize resolutions			
Audio Inputs	Embedded HDMI audio in all inputs			
Audio Outputs	1x 3.5mm de-embedded audio from any input, stereo 192K sampling rate, 32bit			
Video windows	4x video overlay windows per display zoom in, zoom out, moving, overlay, roaming, resizing and switching			
Presets	Saving and auto switching			
Video Cropping	Support			
LCD videowall	Support			
LED videowall	Support			
Seamless Switching	Support			
Operating System	FPGA pure hardware architecture, no OS			
Videowall and Matrix	Supports both Videowall and Matrix modes			
OSD text	Fixed OSD text* (the scrolling feature will be ready in Q3, 2023)			
Background picture	Support			
Control	TCP/IP, RS232 Control			
Software	Windows PC, Android tablet			
Net Dimension WHD	44*6*25 cm without Ear, 48.5*6*25 cm with Ear			
Gross Dimension WHD	605*165*455 cm			
Net Weight	2.5kg	2.6kg	2.7kg	2.7kg
Gross Weight	5.1kg	5.2kg	5.2kg	5.2kg

Power	In: 110-240V, 50/60Hz. Out: 12V DC 5A, 60W
In package	1x iWall X; 1x Power adapter; 1x UK power cord; 1x EU power cord; 1x 3.5mm audio cable, 1x RS232 to RJ45 adapter; 1x Grounding cable