



MC-C2KXL Multimedia Server

Specification V3.0

Shenzhen Mooncell Electronics Co., Ltd

1 Product Overview

Product Introduction

MC-C2KXL is the latest multimedia playback and control server developed by Mooncell. It utilizes a high-performance processor paired with a professional and stable industrial motherboard. It can support 4*4K@60Hz video signal outputs. Combined with the MC-C2 multimedia “playback and control” software, it offers features such as creative splicing of the led display, decoding of ultra-high resolution video, and device status monitoring. It can achieve pixel-to-pixel display for two 4K large screens and support various splicing of irregular screens, greatly meeting the playback and control requirements of various projects.

Application Scenarios

MC-C2KXL multimedia server can fully meet the high-definition application requirements of command and dispatch centers, conference reporting centers, exhibition display centers, data operation and maintenance centers, broadcasting and television centers, and other scenarios.

With its powerful capabilities and advanced features, MC-C2KXL is suitable for applications that demand superior image quality and

performance. It provides seamless integration, reliable operation, and efficient management of multimedia content in various professional environments, ensuring a high-quality visual experience and facilitating effective communication and information dissemination.

2 Functions Introduction

- The stand-alone version supports up to 4 channels of Mini DP output, and the maximum resolution of a single channel is 4096 * 2160. 2-Way integrated display output.
- - Allows arbitrary rotation of images and splicing of displays at different shapes and angles.
- - Enables playback of various content including videos, images, text, and PPT.
- - Supports virtual screens and screen division for splicing.
- - Provides scheduling for timed playback.
- - Offers previewing of playback content and real-time monitoring of device output.
- - Supports external signal acquisition through NDI and capture cards (optional).
- - Facilitates setting power on/off scripts for automatic control of playback.
- - Provides optional iPad visual control for centralized management and quick operation of devices in the exhibition hall .
- - Supports central control protocol for scene switching and screen playback.

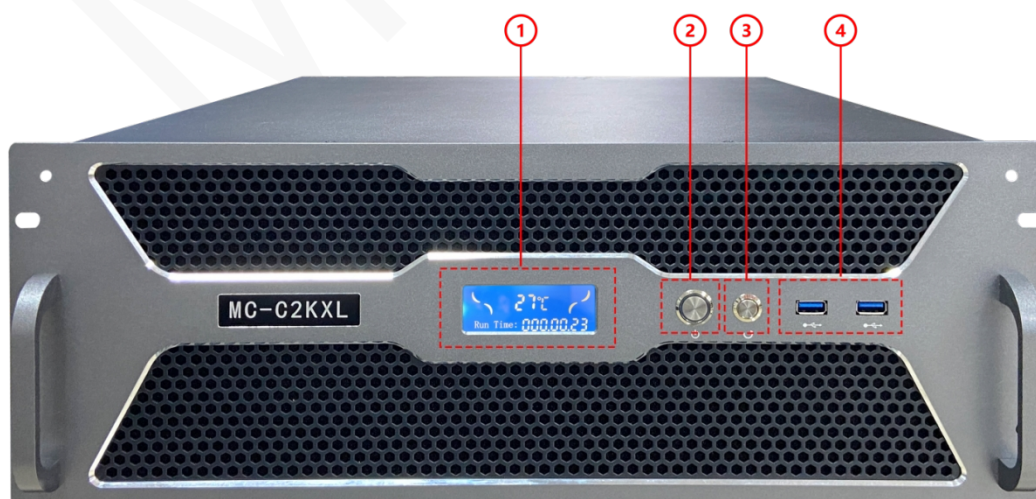
- - Equipped with a built-in wireless network card for direct WiFi connectivity.

3 Product Specifications

Hardware Introduction

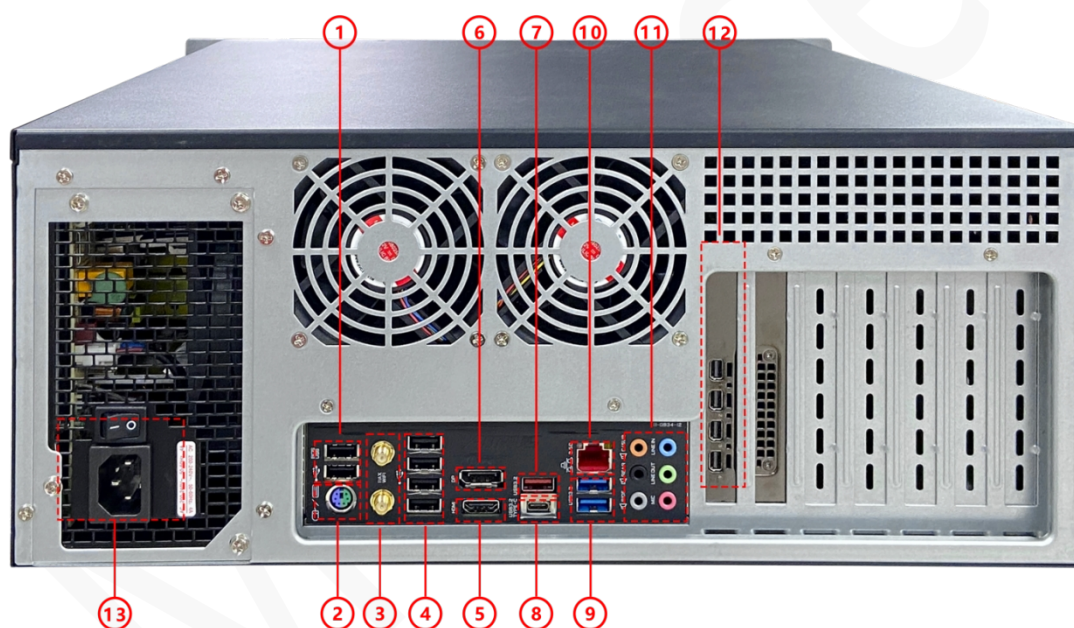
Product Name	Multimedia Server(Control and Display Integrated)
Product Model	MC-C2KXL
Hardware Output	Mini DPx4; 2-Way integrated display output
Graphics Card	NVIDIA Professional Graphics Card
Capturing Card (Optional)	HDMI/SDI Interface
CPU	Intel i7-10700@2.9Ghz
Memory	8G DDR4
Hard Drive Memory	500GB M.2 SSD
Power	500W
Chassis	4U (Industrial Server Chassis)
Operating System	Windows 10 Professional
Playback and Control System	MC-C2 Software (System)

Front Panel



Front Panel Illustration		
#	Name	Illustration
1	2.9inch LCD Display	To display the running time and temperature of the machine
2	Power Switch	Power On/Off
3	Power Restart	Restart the device
4	USB	2xUSB3.0 Ports

Rear Panel



Rear Panel Illustration		
#	Name	Illustration
1	USB	2xUSB2.0 Ports
2	PS/2	PS/2 Keyboard&Mouse Port
3	SMA	SMA Antenna Interface
4	USB	4xUSB2.0 Ports

5	HDMI	1xHDMI Output Interface
6	DP	1xDP Output Interface
7	USB	1xUSB 3.2 Gen 2 Tyoe-A Interface
8	Type-C	1xUSB Type-C Interface
9	USB	2xUSB 3.2 Gen 1 Interface
10	RJ-45	1xRJ-45 Ethernet Port
11	AUDIO Interface	Audio Input and Output Ports for Channels and Microphones
12	Mini DP	4xMini DP Output Ports
13	Power	AC 200-240V Power Interface and Switch

4 Product Parameters

Parameters

Electrical Parameters	Input Voltage	AC 200-240V 50/60Hz
	Power	500W
Working Environment	Temperature	0°C~45°C
	Humidity	0%RH~80%RH, No Condensation
Storage Environment	Temperature	-10°C~+60°C
	Humidity	0%RH~95%RH, No Condensation
Device Information	Chassis	4U Industrial Server Chassis
	Dimensions	482 (Width) mmx500(Depth)mmx177.6 (Height) mm
	Net Weight	12Kg

Precautions:

- **High Voltage Hazard:** This product operates at AC -100V~240V.
- **Do not allow liquids, metal fragments, or other conductive objects to enter the device to prevent safety accidents.**
- **Please use the equipment in a dry and clean environment.**

Dimensional Drawing of Appearance

