



MC-C2K Multimedia Server

Specification V3.1

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1 Product Overview

Product Introduction

MC-C2K 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. 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 large screens and support various splicing of irregular screens, greatly meeting the playback and control requirements of various projects.

Application Scenarios

MC-C2K 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..

2 Functions Introduction

- -Control server paired with display server for ultra-large resolution pixel-to-pixel 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.

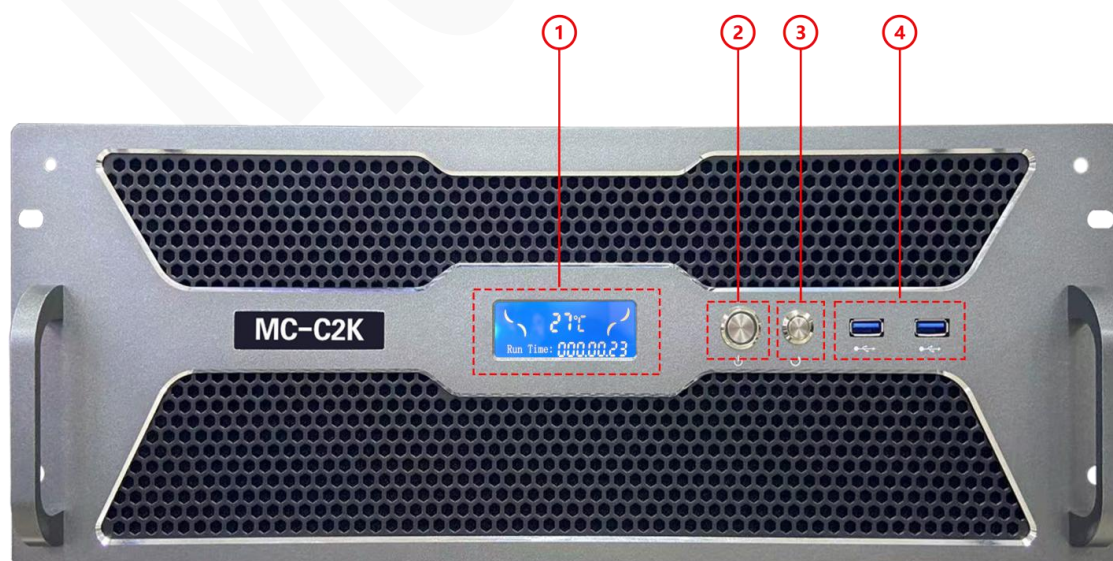
3 Product Specifications

Basic Specifications

Product Name	Multimedia Server(Control and Display Integrated)
Product Model	MC-C2K
Hardware Output	DP1.2x1、HDMI2.0x1、DVIx1
Graphics Card	4K Professional Graphics Card
Capturing Card (Optional)	HDMI/SDI Interface
CPU	Intel i7-11700k@3.6Ghz
Memory	16G DDR4
Hard Drive Memory	1TB M.2 SSD
Power	650W
Chassis	4U (Industrial Server Chassis)
Playback and Control System	MC-C2 Software (System)

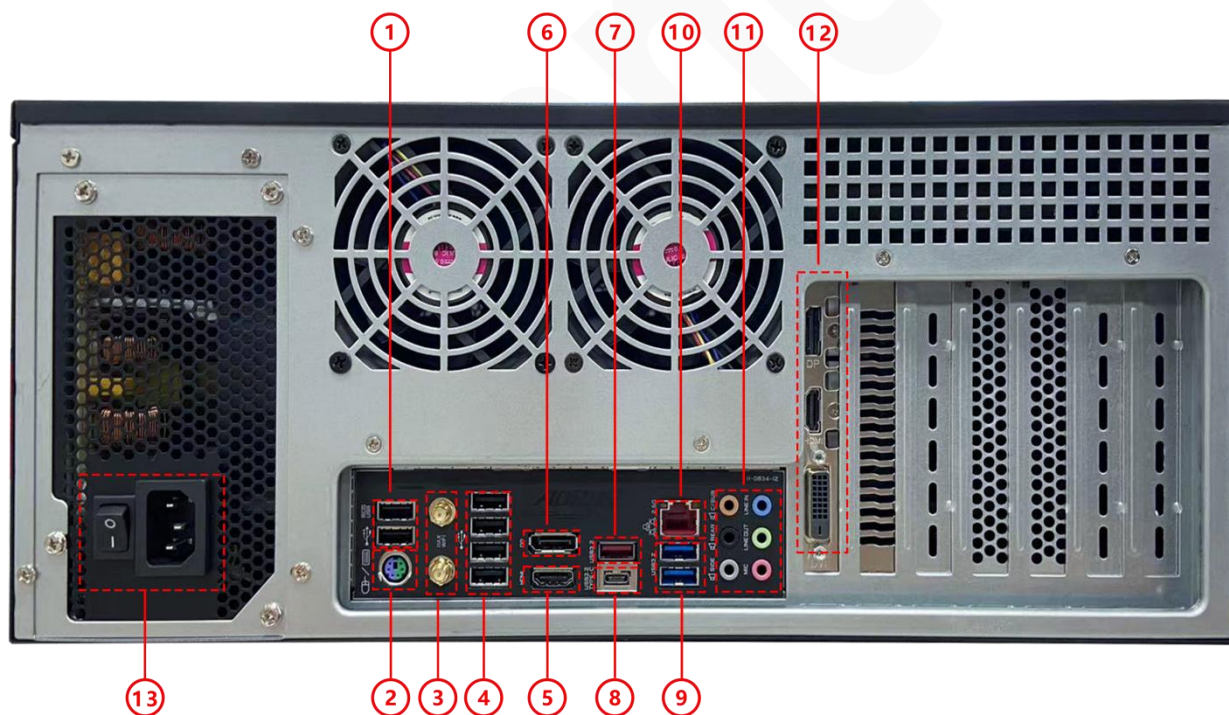
Hardware Introduction

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	Output Interface	DP1.2x1、HDMI2.0x1、DVI Output
13	Power	AC 200-240V Power Interface and Switch

4 Product Parameters

Parameters

Electrical Parameters	Input Voltage	AC 200-240V 50/60Hz
	Power	650W
Working Environment	Temperature	0℃ ~ 45℃
	Humidity	0%RH ~ 80%RH, No Condensation
Storage Environment	Temperature	-10℃ ~ +60℃
	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	12.25Kg

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

