



## MSC4K1000



### Introduction

The MSC4K1000 is a versatile 4K@30 AV over IP solution that combines encoding and decoding capabilities in one compact device. Each unit can switch between encoder and decoder modes, enabling flexible and adaptable deployment. Key features include KVM workstation support, centralized control interfaces, and dual power options (PoE or DC), ensuring reliable audio-video transmission over CAT6 cabling up to 150 meters or fiber connections up to 2 kilometers. The intuitive front-panel LCD provides real-time system information, simplifying setup and operation. Designed for command centers, conference rooms, and smart campuses, the MSC4K1000 delivers high-performance AV streaming with ease.

### Features

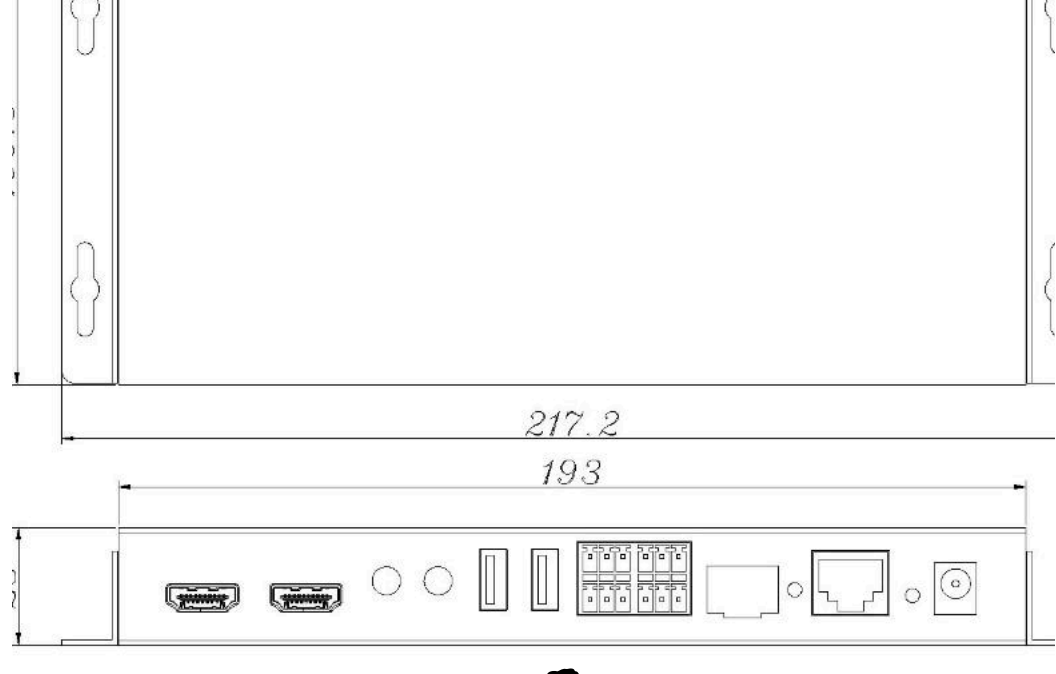
- Integrated KVM Functionality:** Enables precise remote PC control via mouse and keyboard for streamlined workflows.
- Advanced Video Wall Management:** Supports up to 16 windows per display with smooth, lag-free transitions.
- Standalone Operation:** Functions independently without the need for a server or control box, ensuring high system reliability.
- Extensive Control Options:** Offers RS232, RS485, Relay, I/O, and audio input/output ports for seamless control system integration.
- Customizable Interface:** Tailor the control UI to specific user preferences for enhanced operational efficiency.
- Flexible Power and Networking:** Features PoE and DC power support, along with both Fiber and LAN connectivity options.
- Broad Protocol Support:** Compatible with OSD, scrolling text, and a wide range of standard AV control protocols.



### Product Specifications

Feature	Descriptions
Latency	80ms-120ms
Video input	1*HDMI with one HDMI loop
Input Resolution	Up to 3840*2160@30Hz
USB	2*USB-A, female
Output Resolution	Up to 3840*2160@30Hz
Control ports	RS232/RELAY/RS-485/IO
Weight	525g
IP Ports	1*LANRJ45, 1*FIBER
PoE	Support standard POE function
Power Consumption	<10W
Video output	1*HDMI
Audio output	1*3.5mm LINE out
Audio Input	1*3.5mm LINE in
Product Dimensions	193mm*100.5mm*25mm

### Product Dimensions



### Connection Diagram

#### Many to Many Configuration via VLAN Setups

