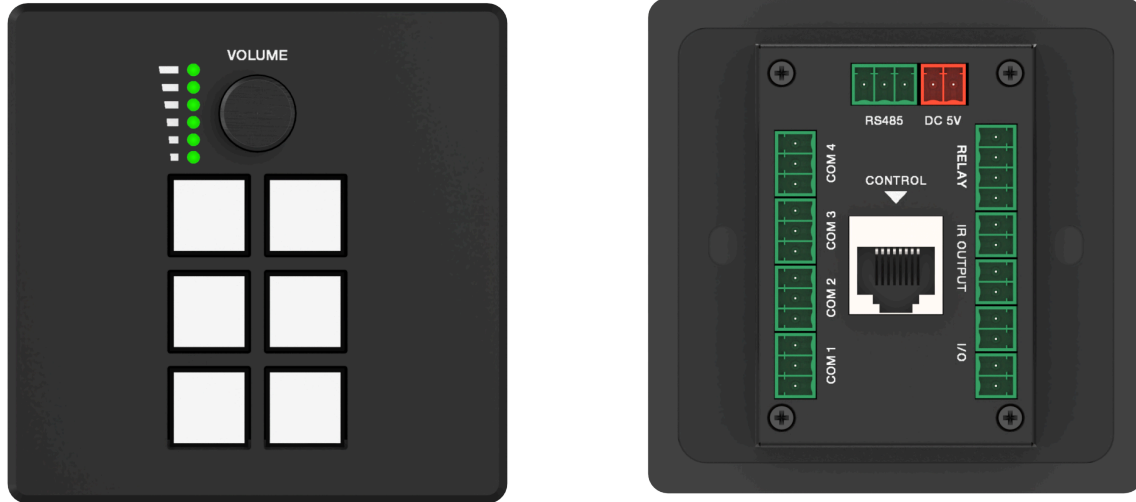


Integrated Wall Plate Control System - SV WPC06RC

Product Overview:

Overview: This intelligent control terminal is designed for smart offices and home automation systems. It has an embedded wall-mount structure and is compatible with EU/US/UK/CN standard wall boxes. The unit integrates 6 programmable keys and a precision rotary knob with real-time feedback, offering versatile control capabilities through RS232/RS485, IR, relay, and I/O ports.



This intelligent control terminal is specially designed for smart office and home scenes. It adopts an embedded wall mounting structure and is compatible with EU/US/UK/CN standard cassette. The equipment integrates 6 programmable buttons and 1 precision knob (with real-time numerical feedback function), and is equipped with RS232/RS485 serial port, infrared remote control, relay signal and general I/O port, which supports general network protocols. Through modular configuration management, cross-equipment linkage control can be realized, and scene solutions such as one-button switching projection mode in a conference room, cooperative operation of equipment in a training center or intelligent tour of exhibition venues can be quickly built.

Key Features:

- Powered by a 1.2GHz ARM Cortex-A7 processor, this device operates on a Linux system with 255MB RAM and 256MB ROM.
- It features six programmable buttons and one rotary knob, all with integrated light status indicators for visual feedback.
- The unit supports four RS232 bidirectional serial ports and one RS485 serial port, each with configurable baud rates.
- It also includes two low-voltage isolation relay interfaces for secure device control.
- Two versatile I/O ports are available, configurable as either inputs or outputs based on application needs.
- Infrared control is supported via two IR output ports, compatible with a wide 20kHz–60kHz frequency range.
- A single 100Mbps Ethernet port ensures fast network integration and supports industry-standard protocols such as TCP/IP, UDP, HTTP, and WebSocket.
- For added flexibility, the device offers dual power options—via a standard adapter or Power over Ethernet (PoE).
- Safety: CE,FCC,RoHS,(ISO9001:2015,14001:2015,45001:2018, 27001:2022 -IAF Certified)

Ideal For:

- Smart Offices – Seamless automation for lights, screens, and AV systems during meetings and presentations.
- Conference Rooms – One-touch control for projectors, displays, and environmental settings.
- Training Centers – Integrated device management for synchronized operation during sessions.
- Smart Homes – Customizable control for lighting, audio, and climate systems.
- Command & Control Centers – Centralized control over multiple devices with real-time response.
- Exhibition Venues – Automated, programmable interactions for guided tours and display management.

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Integrated Wall Plate Control System - SV WPC06RC

Specifications

Memory	
CPU	ARM Cortex-A7 1.2GHz ,1600 MIPS processor
Operation System	Linux
SDRAM	4GB
Flash	32GB
Electrostatic protection	IEC 61000-4-2: 8 kV (air discharge), 4 kV (contact discharge)
Connecting Port	
RS 232	4x 3-pin Phoenix terminal, RS232 serial communication port
RS 485	1x 3-pin Phoenix terminal, RS485 serial communication port
IR-SERIAL OUTPUT	IR 2x 2-pin Phoenix terminal, broadband IR output port
RELAY OUTPUT	1x 4-pin Phoenix terminal, isolating low-voltage relay port.
DIGITAL I/O	2x 2-pin Phoenix terminal, I/O input/output port
LAN	A standard 10M/100M/1000M Ethernet RJ45 interface
USB	1x Micro USB interface, system debugging interface ,C interface: debugging interface is reserved for the system.
Power Supply	5V DC/1A or POE power supply
Reset	1 × Reset button, equipment restart: after the equipment is started
Mechanical	
Housing	Metal enclosure with aluminium alloy front panel
Color	Black
Operation Temperature	0°C ~ 40°C / 32°F ~ 104°F
Relative Humidity	10~90% RH (non-condensing)
Safety	CE,FCC,RoHS,(ISO9001:2015,14001:2015,45001:2018, 27001:2022 -IAF Certified)

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