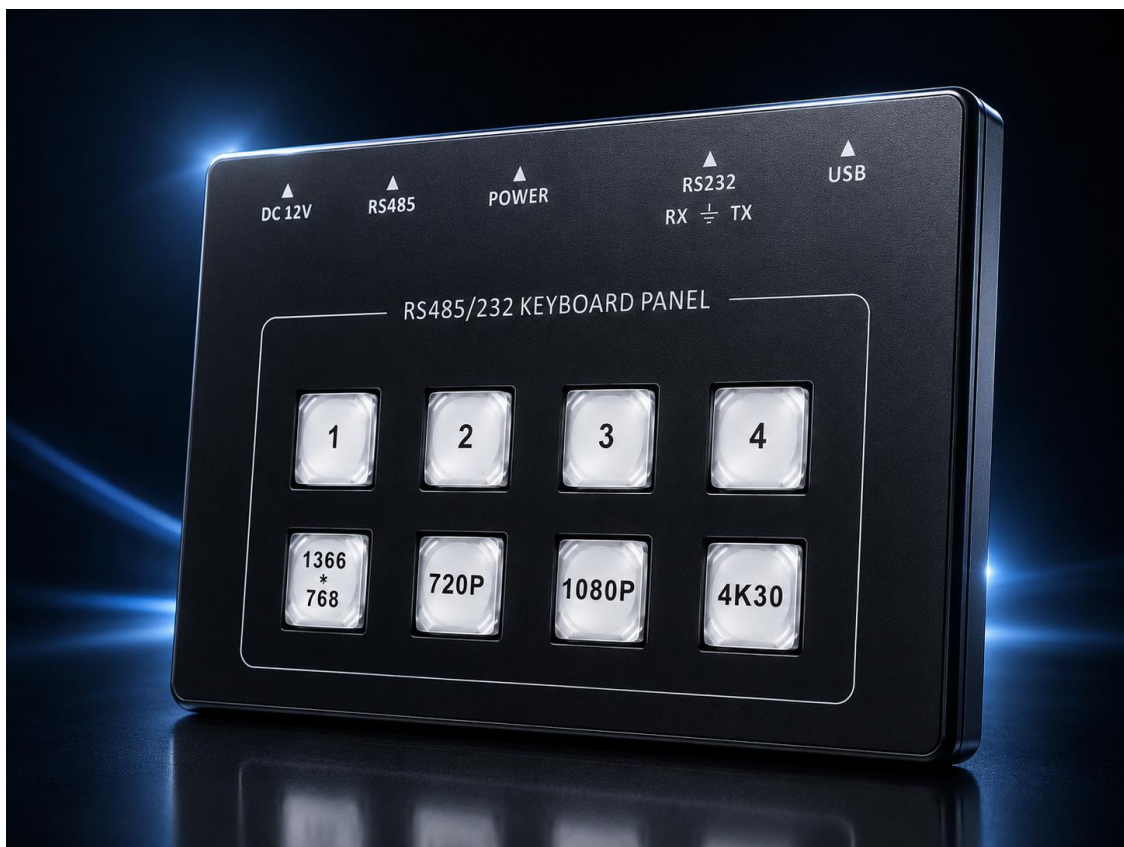


PANIO CP1200_B

8-Key RS485/RS232 Programmable Keyboard Controller

8 Programmable Keys · RS485 / RS232 Control · USB Command Upgrade · 12V Power · Compact AV Control Panel



Core Item	Product Positioning
8-Key Control Panel	Simple and intuitive local control panel for AV source selection, resolution switching and command triggering
RS485 / RS232 Control	Programmable serial command output for controlling switchers, displays and professional AV devices
USB Upgrade Support	USB-based command file update and firmware upgrade for fast project commissioning
Compact Installation	125 x 71 x 19 mm low-profile panel for meeting rooms, classrooms and control desks

Contents

- 01 Product Overview
- 02 Product Features
- 03 Technical Specifications
- 04 Applications & Package Contents

01 Product Overview

The PANIO CP1200_B is a compact 8-key RS485 / RS232 programmable keyboard controller designed for professional AV switching, display control and simple room operation. Each key can be configured with a customized control command, allowing system integrators to create a dedicated control panel for common operations such as input selection, resolution switching, preset recall and device control.

The CP1200_B supports RS485 and RS232 control output, USB-based command modification and firmware upgrade, and DC 12V power input. When used with compatible switcher systems, the controller can also support power acquisition from the switcher through the serial connection, helping reduce wiring complexity in project installations.

02 Product Features

- **8 Programmable Command Keys:** Eight physical buttons can be customized with RS485 or RS232 protocol commands for project-specific control workflows.
- **Professional Button Design:** Uses crystal-style illuminated buttons for clear operation, stable tactile feedback and easy identification in AV environments.
- **RS485 and RS232 Device Control:** Supports both RS485 and RS232 interfaces for controlling external devices such as switchers, processors, displays and control equipment.
- **USB Command Upgrade:** Button commands can be modified through a USB flash drive, simplifying field configuration without complicated software tools.
- **Firmware Upgrade Support:** Firmware can be updated through the USB port for maintenance, compatibility improvement and future feature support.
- **Remote Power Compatibility:** When used with compatible switching equipment, the controller can receive power from the switcher through the serial connection.
- **Compact Low-Profile Housing:** Slim 125 x 71 x 19 mm structure is suitable for control desks, equipment panels and compact AV operation areas.

- **Simple Daily Operation:** After wiring and power-on, configured keys can immediately trigger commands, making the panel suitable for non-technical users.

03 Technical Specifications

Parameter	Details
Model Name	CP1200_B
Product Type	8-key RS485/RS232 programmable keyboard controller
Control Method	8 x buttons, 1 x RS485, 1 x RS232, 1 x USB
RS485 Interface	RJ45 port for long-distance RS485 control and compatible project power applications
RS232 Interface	3-pin Phoenix terminal block for RS232 command output
USB Port	USB command upgrade port and firmware upgrade port
Dimensions	125 x 71 x 19 mm
Power Consumption	0.76 W
Power Supply	AC 220-240V 50/60Hz power adapter, DC 12V 1.5A output
Net Weight	Approx. 0.22 kg
Gross Weight	Approx. 0.44 kg
Operating Temperature	0 degC to 50 degC
Storage Temperature	0 degC to 50 degC
Operating Humidity	0% to 90% RH
Command Update Media	FAT32 USB flash drive, below 8GB recommended
Default Command Baud Rate	115200 baud, 8 data bits, 1 stop bit, no parity

04 Applications & Package Contents

Application Scenario	Deployment Focus	Benefit
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Video Conferencing Rooms	Source switching and display preset control	Enables quick operation for meetings and presentations
Broadcast & TV Engineering	Dedicated command keys for equipment control	Provides stable hardware operation in professional environments
Multimedia Conference Halls	Simple local panel for AV switching and resolution selection	Reduces user training and support requirements
Large-Screen Display Systems	Resolution presets such as 720P, 1080P and 4K30	Supports fast display mode selection and system adjustment
Command Control Centers	RS485 / RS232 command triggering for centralized control	Creates a reliable physical interface for daily operation

Package Contents

- 1 x CP1200_B 8-key controller
- 1 x 3-pin Phoenix terminal block
- 1 x 12V 1.5A power adapter
- 1 x power adapter cable set
- 1 x key-label sheet
- 1 x user manual