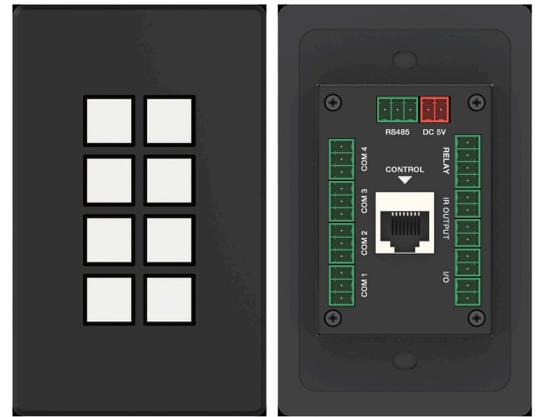


8-Button Programmable Wall Keypad with RS232, IR, Relay & PoE

Linux-Based AV Control Panel with 4× RS232, RS485 & Magnetic Panel — US 1-Gang, No Processor Required

MPN: CR-KEY8U



The KanexPro CR-KEY8U is a standalone 8-button programmable wall keypad designed to deliver multi-protocol AV room control from a compact US 1-Gang wall plate. Built on the same Linux-based ARM Cortex-A7 platform as the CR-KEY10R, it provides RS232, RS485, IR, relay, and TCP/IP control without requiring a separate control processor or proprietary software — ideal for conference rooms, classrooms, and huddle spaces where single-gang mounting is preferred.

Featuring 8 programmable buttons with LED status feedback, the CR-KEY8U integrates 4× RS232, 1× RS485, 2× IR output, 2× relay, and 2× configurable I/O ports. Powered via PoE or DC 5V with just 1.1W consumption, it supports TCP/IP, UDP, HTTP, and WebSocket protocols. The magnetic aluminum front panel is field-swappable in black or white. Programming is handled through EASYAccomplish software available for Windows, Mac, and iOS, with web GUI access for network configuration.

<p>PoE Powered via Ethernet</p>	<p>8 Buttons Programmable LED Feedback</p>	<p>4×RS232 Bidirectional Serial</p>	<p>1-Gang US Standard Wall Box</p>	<p>No Proc No External Processor</p>
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KEY FEATURES

- 8 programmable buttons with LED light status feedback and customizable film labels
- 4-channel RS232 and 1-channel RS485 bidirectional serial ports with configurable baud rates (2400–115200 bps)
- 2-channel IR output ports supporting 20KHz–60KHz wideband infrared control
- 2-channel isolated low-voltage relay ports (2A 30VDC / 0.3A 125VAC) for lighting, screens, and curtain control
- 2-channel configurable I/O ports for digital signal input or 5V output (50mA max)
- 100Mbps Ethernet with PoE support — TCP/IP, UDP, HTTP, and WebSocket protocols for network-based device control
- Linux OS on ARM Cortex-A7 (1.2GHz, 256MB RAM/ROM) — standalone operation with no external processor required
- Magnetic aluminum front panel (black or white) — field-swappable without rewiring; US 1-Gang wall box install
- Programmable via EASYAccomplish (Windows, Mac, iOS) with web GUI for network settings

SPECIFICATIONS

CPU / OS	ARM Cortex-A7 1.2GHz • Linux • 256MB RAM/ROM
Buttons	8 programmable buttons with LED feedback
RS232 (COM 1–4)	4× 3-pin phoenix • bidirectional • 2400–115200 bps
RS485	1× 3-pin phoenix • bidirectional • 2400–115200 bps
IR Output	2× 2-pin phoenix • 20KHz–60KHz carrier
Relay	2× 2-pin phoenix • normally open • 2A 30VDC / 0.3A 125VAC
I/O	2× 2-pin phoenix • configurable input (24V) / output (5V 50mA)
LAN / PoE	1× 10/100M RJ45 • TCP/IP, UDP, HTTP, WebSocket • PoE
Enclosure	Aluminum alloy (front) • Metal (rear) • Black or White front panel
Dimensions / Weight	2.76" × 4.49" × 1.52" (70 × 114 × 38.5mm) • 0.49 lbs (222g)
Power / Environment	DC 5V/1A or PoE • 1.1W • 32–104°F • CE, FCC, UKCA

PACKAGE CONTENTS

1× Programmable Control Keypad • 5× 3-pin 3.5mm Phoenix (male) • 1× 4-pin 3.5mm Phoenix (male) • 4× 2-pin 3.5mm Phoenix (male) • 1× 2-pin 3.81mm Phoenix (male) • 2× Wall Mounting Screws • 1× User Manual



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