

4-Port AV Control Expander — Serial, Relay & Ethernet

Extend multi-device serial and relay control to remote locations over your existing network

MPN: CR-EXPAND4



PRODUCT OVERVIEW

**Some remote locations need more than a single control drop — but not a full processor.** The KanexPro CR-EXPAND4 bridges the gap with four extended serial ports and four relay outputs in one compact Ethernet-connected box. The first two extended ports (COM 1–2) support RS-232, RS-485, and RS-422 with hardware flow control for bidirectional device communication, while COM 3 and 4 provide RS-232 with hardware flow. A dedicated MAIN COM uplink connects to your control processor or PC, and a NEXT COM output enables daisy-chaining multiple expanders. Four relay outputs handle motorized screens, lighting, blinds, and door locks — enough to automate an entire satellite room from one device.

Designed for boardroom satellites, multi-device closets, classroom hubs, and backstage control, the CR-EXPAND4 connects to your control processor over 100M Ethernet using standard TCP/IP and UDP protocols. Front panel LEDs provide real-time status for power, LAN, all four relay channels, and TX/RX activity on every serial port — making on-site commissioning and troubleshooting fast. Where the CR-EXPAND1 serves single-device remote drops, the CR-EXPAND4 scales to locations with three or four controlled devices without the complexity or cost of deploying a full control processor.

1 PRODUCT OVERVIEW

WHO THIS IS FOR

Integrators with multi-device satellite locations: backstage racks, classroom equipment closets, remote AV closets.

PROBLEM IT SOLVES

Remote locations with 3-4 devices need more than one serial drop but not a full processor. The CR-EXPAND4 provides 4 extended serial + 4 relay over Ethernet.

WHAT MAKES IT DIFFERENT

MAIN COM (RS-232 uplink) + COM 1-2 (RS-232/422/485+HW) + COM 3-4 (RS-232+HW) + NEXT COM (daisy-chain) + 4 relay. 147mm × 130mm × 42mm, 673g. DC 24V (no PoE).

2 POSITIONING

*The 4-port satellite — MAIN COM uplink + 4 extended serial + 4 relay + daisy-chain. Scales any processor to multi-room.*

3 SALES ANALYSIS

CHANNEL FIT

Expansion accessory. For locations needing more than CR-EXPAND1 but less than a full controller.

DEAL SIZE

1-2 per project. Pairs with CR-HOST6S/CR-HOST8R as a remote satellite.

OBJECTIONS

"No PoE?" — DC 24V adapter included. "No IR/I/O?" — use CR-EXPAND1 for IR+I/O drops.

WIN THEMES

5 serial total, 4 relay, daisy-chain, RS-422/485 support, web server, TCP ports per serial.

- 1 Backstage rack: 4 serial-controlled devices (matrix, scaler, recorder, DSP) in a remote AV closet. MAIN COM uplinks to CR-HOST8R. 4 relays for stage equipment.
- 2 Daisy-chain: CR-EXPAND4 in Room A, NEXT COM cascades to CR-EXPAND4 in Room B. One processor controls both rooms.

#### 4 ECOSYSTEM FIT

| MODEL      | TYPE       | BEST FOR                        |
|------------|------------|---------------------------------|
| CR-HOST6S  | Controller | 6 serial, dual GigE, PoE        |
| CR-HOST8R  | Controller | 8×8×8 I/O, 1U rack, AC          |
| CR-EXPAND1 | Expander   | Single remote drop, PoE         |
| CR-EXPAND4 | Expander   | 4-port satellite, daisy-chain   |
| CR-TOUCH4A | Panel      | 4" aluminum, GigE, dual mode    |
| CR-TOUCH6R | Panel      | 6" landscape, knob, dual serial |
| CR-KEY8U/E | Keypad     | 8 buttons, max I/O              |
| CR-KEY10R  | Keypad     | 10 buttons, Android, knob       |

#### 5 FAQ

##### How many serial?

5 total: MAIN COM (uplink) + 4 extended (device control). NEXT COM is for daisy-chain output.

##### Daisy-chain limit?

Cascading is supported but check latency for your application.

##### vs CR-EXPAND1?

EXPAND1: 1 serial + IR + relay + I/O + PoE (remote drop). EXPAND4: 5 serial + 4 relay + daisy-chain (satellite rack).