

## 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



**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.

 <b>5 Serial</b> MAIN+4	 <b>4× Relay</b> Outputs	 <b>Daisy Chain</b> NEXT COM	 <b>100M</b> TCP/UDP	 <b>Web Server</b> Built-in
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### KEY FEATURES

- MAIN COM (RS-232) + 4 extended serial ports — 5 serial connections total
- COM 1–2: RS-232/RS-485/RS-422 with hardware flow control
- COM 3–4: RS-232 with hardware flow control
- NEXT COM daisy-chain output for cascading multiple expanders
- 4× relay outputs, normally open (1A 24VDC/AC)
- 10/100M Ethernet with TCP/UDP — TCP ports 8001–8004 per serial
- Built-in web server for browser-based configuration
- DC 24V/1A power (24V adapter included) — no PoE
- Front panel LEDs: PWR, LAN, 4× relay, MAIN TX/RX, COM 1–4 TX/RX
- Metal enclosure: 147mm × 130mm × 42mm, 673g

### SPECIFICATIONS

SPECIFICATION	VALUE
<b>MAIN COM</b>	1× RS-232 (7-pin Phoenix) — connects to processor or PC
<b>COM 1–2 (Extended)</b>	2× RS-232/RS-422/RS-485 + HW flow (9-pin Phoenix)
<b>COM 3–4 (Extended)</b>	2× RS-232 + HW flow (5-pin Phoenix)
<b>NEXT COM</b>	1× daisy-chain output (7-pin Phoenix)
<b>Baud Rate</b>	2400–115200
<b>Relay</b>	4× normally open (1A 24VDC/AC), 8-pin Phoenix
<b>Ethernet</b>	10/100M RJ45, TCP/UDP
<b>Power</b>	DC 24V/1A (no PoE) — <2W
<b>Dimensions</b>	5.79" × 5.12" × 1.65" (147 × 130 × 42 mm)
<b>Weight</b>	1.48 lbs (673g)
<b>Housing</b>	Metal enclosure, black
<b>Operating Temp</b>	32°F – 104°F (0°C – 40°C)
<b>Storage Temp</b>	-4°F – 140°F (-20°C – 60°C)
<b>Humidity</b>	20%–90% RH (non-condensing)
<b>Package Contents</b>	1× Expander, 2× 5-pin Phoenix, 2× 7-pin Phoenix, 1× 8-pin Phoenix, 2× 9-pin Phoenix, 4× Screw, 2× Mounting Ear, 1× 24V/1A Adapter, 1× Manual

