

Konceptux KX-HUB16

Product Submittal — for engineer / specifier approval

Product Description

The Konceptux KX-HUB16 is a DIN-rail-mounted, PoE-powered relay panel for residential and light-commercial building automation. It provides 8 to 16 independently controlled relay outputs plus digital and sensor inputs, integrating natively with Home Assistant over MQTT or via its REST API. Installation is inside an electrical panel by a licensed electrician; the controller itself requires no cloud connection to operate.

Full Specifications

Power Input	PoE (802.3af) or 12V DC — screw-terminal or RJ45 PoE
Network	10/100 Ethernet, PoE-powered
Relay Outputs	8–16 channels (configurable), electromechanical, dry contact
Max Load / Relay	10A @ 250VAC (resistive) — verify against local load type and code
Digital Inputs	8 channels, dry-contact / 0–24V DC
Sensor Inputs	Temperature / Humidity / Contact, screw-terminal
Communication	MQTT, REST API, Home Assistant native discovery
Installation	DIN Rail 35mm, inside electrical panel or enclosure
Enclosure	IP20 industrial ABS, DIN-rail mount, tool-free clip
Operating Temp.	-10°C to +55°C ambient
Firmware Updates	OTA (over-the-air), no physical access required
Local Storage	Onboard flash — no cloud connection required to operate

Wiring / Terminal Reference

Terminal	Function	Wiring Notes
Ethernet / PoE (RJ45)	Network uplink + power (802.3af)	Cat5e or Cat6 patch cable
12V DC (screw terminal)	Alternate power input if PoE not used	18–22 AWG, from a regulated 12V supply
Relay outputs 1–16	Switched load output, dry contact	Per local electrical code; 10A @ 250VAC max per relay
Digital inputs 1–8	Dry-contact / low-voltage sensing	18–22 AWG signal wire
Sensor terminals	Temperature / humidity / contact sensors	Per sensor manufacturer's cable spec

Ordering Information

Part No.	Description	Pricing
KXHUB16-8CH	KX-HUB16 — 8-Zone PoE Relay Panel	Contact for quote
KXHUB16-16CH	KX-HUB16 — 16-Zone PoE Relay Panel	Contact for quote
KXHUB16-ACC-INJ	Accessory — 802.3af PoE injector (where no PoE switch is available)	Contact for quote
KXHUB16-ACC-TERM	Accessory — Replacement screw-terminal block set	Contact for quote
KXHUB16-ACC-RLY	Accessory — Field-replaceable relay module	Contact for quote
KXHUB16-SVC-INSTALL	Service — Licensed-electrician panel installation (Greater Moncton)	Contact for quote

Dimensions

180mm (W) × 62mm (D) × 90mm (H), 35mm DIN-rail mount. Approx. weight 420g (8-zone) / 480g (16-zone). See Installation Instructions (doc. IN-HUB16-1000) for a dimensioned drawing.