



## FC-28

10-port Serial, IR, GPI/O and Relay, PoE Control Gateway



The FC-28 is a PoE-powered control gateway, capable of plug and play deployment over customer Ethernet LAN for remote control of customer controlled devices via bidirectional RS-232, IR, GPI/O and relay control connections. Multiple control clients can be IP-connected to the FC-28 control gateway for concurrent control of two RS-232, four IR controllable devices, such as AV scalars, video displays, audio amplifiers, DVD players, sensors, screens, shades, door locks, and lighting.

## FEATURES

- **2 RS-232 Bi-directional Control Ports** - Control a device via bi-directional serial control protocols.
- **4 IR Emitter Control Ports** - Control a device via IR control protocols.
- **2 GPI/O Control Ports** - Controls a device via general purpose I/O ports, program-configured as digital input, digital output or analog input interface for controlling sensors, door-locks, audio volume and light dim level, or lighting control devices.
- **2 Relay Control Ports** - Control a device via relay contact closure, such as scrolling up and down screens, drapes, shades, and blinds.
- **Simultaneous IP Control Communication** - With up to 40 IP control clients.
- **IR Sensor Port** - Learns commands from IR remotes.
- **Mini USB Port** - For firmware upgrades and local technical services.
- **1 Ethernet Control Port** - Remote protocol-based control port.
- **PoE Support** - Per IEEE 802.3af standard.
- **Built-in Web Pages** - Remote browser-based control and support.
- **Easy Installation** - Single Ethernet cable wires for communication and PoE powering, and plug & play IP auto-setup deployment for simple and cost-reducing installation.

TECHNICAL SPECIFICATIONS

OUTPUTS:	4 IR & relays on 2-pin terminal blocks.
PORTS:	2 RS-232 serial on 3-pin terminal blocks, 2 GPI/O on 2-pin terminal blocks, 1 Ethernet on an RJ-45 connector, 1 mini USB connector for local services, 1 built-in IR sensor (for learning).
SUPPORTED SERIAL PORT BAUD RATES:	1200, 2400, 4800, 9600, 19200, 38400, 57600, 15200bps.
RS-232 COMMUNICATION:	Transparent up to 115200bps.
IR EMITTER CABLE RANGE:	80m (260ft).
SUPPORTED IR INPUT FREQUENCIES:	20kHz to 60kHz.
SUPPORTED IR OUTPUT FREQUENCIES:	20kHz to 1.2MHz.
MAXIMUM DATA HANDLING OF DEVICE:	Up to 150kbps summed on all ports.
POWER CONSUMPTION:	5V DC, 230mA.
OPERATING TEMPERATURE:	0° to +40°C (32° to 104°F).
STORAGE TEMPERATURE:	-40° to +70°C (-40° to 158°F).
HUMIDITY:	10% to 90%, RHL non-condensing.
COOLING:	Convection.
ENCLOSURE TYPE:	Aluminium.
RACK MOUNT:	With optional rack adapter.
VIBRATION:	ISTA 1A in carton (International Safe Transit Association).
SAFETY REGULATORY COMPLIANCE:	CE.
ENVIRONMENTAL REGULATORY COMPLIANCE:	Complies with appropriate requirements of RoHs and WEEE.
INCLUDED ACCESSORIES:	Power adapter, IR Cable C-A35M/IRE-10.
OPTIONS:	19" rack adapter RK-T2B, IR cables: C-A35M/2IRE-10, C-A35M/IRR-3, C-AS35M/AS35F-50, C-A35M/IRE-10; bulk cable for serial control BC-1T-300M, serial cables: C-D9F/OPEN-3/6/10/15/25/35/50, BC-1T-300M bulk cable.
PRODUCT DIMENSIONS:	18.75cm x 11.50cm x 2.54cm (7.38" x 4.53" x 1.00" ) W, D, H
PRODUCT WEIGHT:	0.5kg (1.0lbs) approx.
SHIPPING DIMENSIONS:	34.50cm x 16.50cm x 5.20cm (13.58" x 6.50" x 2.05" ) W, D, H
SHIPPING WEIGHT:	1.0kg (2.1lbs) approx.

