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 scalers, 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°C to +40°C (32°F to 104°F)

### STORAGE TEMPERATURE:
- -40°C to +70°C (~-40°F to 158°F)

### HUMIDITY:
- 10% to 90%, RHL non-condensing

### COOLING:
- Convection

### ENCLOSURE TYPE:
- Aluminum

### 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

### 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