FC-54P
4-Port Multi-Function Serial/IR &
GPIO/Relay PoE Control Gateway

FC-54P is a multi-function PoE control gateway, capable of plug and play deployment over a customer Ethernet LAN for GPI/O, relay, IR and serial control of customer devices. Multiple control clients can be IP-connected to the FC-54P control gateway for concurrent control of devices such as projectors, displays, DVD players, lights, shades and screens.

FEATURES

Dual-Function I/O Ports - Remote IP-based control of any device connected to the control gateway I/O ports, with selectable port configuration to bidirectional RS-232, IR, GPI/O or relay control. Each port is adaptable for any room device control simply by setting a DIP-switch.

Multiple IP Connected Clients - Remotely connected over customer Ethernet network, concurrently controlling any devices connected to control gateway universal I/O ports.

Easy & Reliable Installation - With single PoE cable for both, powering and connectivity, and Plug and Play IP installation with dynamic (DHCP) address resolution and auto device discovery over customer LAN. Highly-resilient powering with multiple power options — USB, Power over Ethernet per IEEE 802.3af standard, and optional PSU (not included). Compact, designed for piggy-back installation, such as behind a TV or display, with the ability to draw power from device USB port and Ethernet connectivity.

Remote Management - Built-in web UI for remote browser-based management and support, by multiple IP-clients over customer LAN. Easy firmware upgrades, either remotely via customer LAN, or locally via device USB port.
## TECHNICAL SPECIFICATIONS

### PORTS:
- 2 RS-232/IR multi-function ports on 3-pin terminal blocks each selectable as either 1 bidirectional RS-232 (RS-485 port 1 selectable option) serial or 2 IR emitter ports,
- 2 GPIO/Relay multi-function ports on 3-pin terminal blocks each selectable as either 2 GPIO or 2 relay ports,
- 1 LAN on an RJ-45 female connector,
- 1 built-in IR sensor for IR learning,
- 1 mini USB connector for local services

### 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 OUTPUT FREQUENCIES:
- 20kHz to 1.2MHz

### SUPPORTED IR INPUT FREQUENCIES:
- 20kHz to 60kHz

### MAXIMUM DATA HANDLING OF DEVICE:
- Up to 150kbps (summed on all ports, see Section 7.1)

### MAXIMUM SIMULTANEOUS IP-CLIENT CONNECTIONS:
- 40

### POWER CONSUMPTION:
- 5V DC, 350mA

### 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

### ENCLOSURE TYPE:
- Mega Tools size, aluminum

### COOLING:
- Convection ventilation

### VIBRATION:
- ISTA 1A in carton (International Safe Transit Association)

### SAFETY REGULATORY COMPLIANCE:
- CE

### ENVIRONMENTAL REGULATOR COMPLIANCE:
- Complies with appropriate requirements of RoHs and WEEE

### INCLUDED ACCESSORIES:
- 3ft USB cable, bracket set

### Product Dimensions
- 18.75cm x 11.50cm x 2.54cm (7.38" x 4.53" x 1.00") W, D, H

### Product Weight
- 0.4kg (0.9lbs) approx

### Shipping Dimensions
- 34.50cm x 16.50cm x 5.20cm (13.58" x 6.50" x 2.05") W, D, H

### Shipping Weight
- 0.9kg (2.1lbs) approx