FC-28
10port Serial, IR, GPI/O and Relay, PoE
Control Gateway

| Ethernet - RJ-45

The FC28 is a PoEpowered control gateway, capable of plug and play deployment over customer Ethernet LAN for remote control of customer controlled devices via bidirectional RS232, IR, GPI/O and relay control connections. Multiple control clients can be IPconnected to the FC28 control gateway for concurrent control of two RS232,four IR controllable devices, such as AV scalers, video displays, audio amplifiers, DVD players, sensors, screens, shades, door locks, and lighting

FEATURES

2 RS232 Bidirectional Control Ports - Control a device via bidirectional 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, programconfigured as digital input, digital output or analog input interface for controlling sensors, doorlocks, 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 protocolbased control port

PoE Support - Per IEEE 802.3af standard

Builtin Web Pages - Remote browserbased control and support

Easy Installation - Single Ethernet cable wires for communication and PoE powering, and plug & play IP autosetup deployment for simple and costreducing installation

TECHNICAL SPECIFICATIONS

OUTPUTS:	4 IR & relays on 2pin terminal blocks
PORTS:	2 RS232 serial on 3pin terminal blocks, 2 GPI/O on 2pin terminal blocks, 1 Ethernet on an RJ45 connector, 1 mini USB connector for local services, 1 builtin 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
PRODUCT DIMENSION:	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 DIMENSION:	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
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 noncondensing
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 CA35M/IRE10
OPTIONS:	19" rack adapter RKT2B, IR cables: CA35M/2IRE10, CA35M/IRR3, CAS35M/AS35F50, CA35M/IRE10; bulk cable for serial control BC1T300M, serial cables: CD9F/OPEN3/6/10/15/25/35/50, BC1T300M bulk cable

To RS-232
Controlled
Device

RS-232

Projector

IR
Emitter

IR
Emitter

IR
Blaster

Blu-ray Disk
Player

Multimedia
Player

Blu-ray Disk
Player

Relay

Screen

GPI/O

Sensor

ETH

Router

iOS
Device

Android
Device