



LAN Bridge

Ethernet & RS232 CFLink bridge

SPECIFICATIONS



The LAN Bridge provides an Ethernet interface to all CFLink devices, supporting a variety of Ethernet protocols and communication options.

- CFLink BUS device with independent processor and memory
- 1 x Ethernet socket for wired LAN connectivity
- 1 x RS232 programming or RS232 port
- Realtime clock with scheduling support
- MicroSD slot for memory expansion
- Memory used for storage of IR Files and event triggering

Overview

The LAN Bridge is the Ethernet & RS232 gateway for all devices connected via the CFLink bus. It has many advanced networking features, including the ability to communicate via TCP Server, TCP Client, UDP Unicast and UDP Broadcast, all at the same time.

10 different communication slots can be defined, each with its own configuration of protocol type, port, and other options. A maximum of 25 total TCP socket connections can be shared between each defined slot.

Scheduling

The on-board realtime clock allows the LAN Bridge to be used for scheduling of events, as well as randomised "away mode" events for security reasons. The clock can be configured to sync with a time server to ensure it's automatically updated in regions with Daylight Savings requirements.

CONNECTIVITY

CFLink	Detachable 5-pin 3.81mm terminal block for CFLink BUS
RS232/PGM	6-pin RJ11 female port for RS232 control of devices; or programming mode which allows both programming and external control of the CFLink BUS devices via RS232.
Ethernet	RJ45 female port for Ethernet connectivity, with two LED status lights for data transmission and connectivity status.
MicroSD slot	Spring-loaded memory expansion slot

POWER

CFLink Power	9-30V DC, 24V DC regulated recommended (power supply is not included)
Power Consumption	2W maximum

TOP PANEL

Power Indicator	Blue LED indicates power status
CFLink Fault LED	Red LED indicates error on CFLink BUS
CFLink Activity LED	Yellow LED indicates CFLink BUS traffic
Setup Button	Setup button used to select program or RS232 mode for RS232 port and also factory reset
Reset Button	Reset button restarts the processor
Prog Indicator	Yellow LED indicates RS232 port is used for programming or control of CFLink BUS
RS232 Indicator	Yellow LED indicates RS232 port is used for control of RS232 devices
Status Indicator	Yellow LED indicates data being sent/received via the RS232 port

PHYSICAL

Enclosure	Polycarbonate with dark grey matte finish
Height	41mm (1.61in)
Width	81.4mm (3.2in)
Depth	76.4mm (3.0in)
Weight	0.13kg (0.29lbs), Shipping 0.3kg (0.66lbs)
Temperature	5°C to 45°C (41°F to 113°F)
Humidity	20% to 85% RH, non-condensing
Certification	FCC, CE, C-Tick

WARRANTY

Warranty	5 years limited warranty
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