

Universal SDI-12 Input Expander

Applications

- Logger channel expansion
- Remote monitoring
- Remote water meter monitoring
- Distributed wireless sensor networks
- Sensor chains for temperature (and other parameters) profiling.

The Universal SDI-12 Input Expander has been designed to expand the range of digital and analogue input and output channels available on any standard logger that has an SDI-12 serial data interface.

Many environmental dataloggers have limited input/output connectivity so by connecting one or more Universal Interface modules, via the simple 3-wire SDI-12 interface, measurement capabilities can be easily expanded.



Features

- 4 x non-isolated digital input channels
- 2 x isolated digital input channels
- 4 x open collector digital output channels
- 4 x programmable gain 12bit analogue input channels
- 4 x 8bit analogue output channel
- RS232 / RS485 serial data interface
- Low power
- Non-volatile storage
- One-wire interface
- On-board temperature measurement
- Potted construction
- Re-programmable for a wide variety of applications
- Programmable gains and offsets
- Communication options for ZigBee, Bluetooth & Wi Fi (802.11) in the future

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