



DISCONTINUED: SQ2040-4F16-WiFi

Product Images



Short Description

The Squirrel SQ2040-4F16-WiFi adds WiFi capability to the SQ2040-4F16. The MPU 12V Power Adapter is included with this WiFi version. It also benefits from high speed logging on up to 4 channels and 32 universal input channels. This provides great flexibility to handle a wide range of complex and demanding multi-channel applications such as high-speed vehicle testing or engine monitoring.

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input channels. This provides great flexibility to handle a wide range of complex and demanding multi-channel applications such as high-speed vehicle testing or engine monitoring.

- Up to 100 readings per second on 4 channels
- Four 24-bit A to D converters
- 4 pulse rate / counter inputs (2 at up to 64kHz, 2 at up to 100Hz)
- In built Ethernet connectivity

The Squirrel SQ2040 series are easy, fast and convenient to use - either as portable, stand-alone loggers or as PC-linked data acquisition systems in industrial testing and research, scientific and environmental research and quality assurance applications.

Twin processors, multiple 24-bit A to D converters, up to 32 universal channels, removable Multi Media (MMC) or SD card memory and a choice of communications methods ensure that the Squirrel SQ2040 series provides state-of-the-art data logging and communication capability for sophisticated applications needs.

- Up to 32 universal inputs
- High precision (0.05%)
- Advanced data management, to MMC/SD or PC
- Flexible communications (USB, Ethernet, RS232)
- High speed option (100Hz on 4 channels)
- Various Remote connection options e.g. via Ethernet or dial up modem

Key features

- Standalone data logger or link to a PC
- Compact and portable
- 16 to 32 universal analogue plus 8 digital inputs
- 16 derived/calculated channels
- 4 alarm outputs
- Configured via integral interface or via PC
- 0.05% basic accuracy
- Up to 14 million readings
- In built Ethernet networking capability
- USB and RS232 connectivity

Analogue inputs supported

- Thermistors
- Thermocouples
- Pt100/Pt1000 (maximum of eight 3- or 4-wire Pt100/1000 sensors)
- Voltage
- Current
- Resistance

Key capabilities

- Create complex schedules of logging rates, triggers and alarm outputs
- Scale and view readings in real time on the integral display or on a PC running Excel
- Display readings in preferred engineering units e.g. Hz, Bar, Pascals, Nm etc.
- Select logging rates up to 100 readings per second on up to 4 channels or a combination of different logging rates
- Derive up to 16 calculated (virtual) channels from real input channels using mathematical functions
- Concurrently sample channels at different sample speeds, e.g. 100Hz, 20Hz, and 10 Hz etc
- WiFi

Explanation

Promotion

This product has been discontinued. See our [range of Grant loggers](#)

Brand

Grant

Channel(s)

32

Typical applications

Environmental (Indoor)

Measurements

Universal