



# DISCONTINUED: Squirrel SQ2040-2F16-WiFi Data Logger

## Product Images



## Short Description

The Squirrel SQ2040 Wi-Fi series combines a high channel, high performance, universal inputs with the simplicity of Wi-Fi networking in a compact and portable instrument.

## Description

The Squirrel SQ2040 Wi-Fi series combines a high channel, high performance, universal inputs with the

simplicity of Wi-Fi networking in a compact and portable instrument.

High performance wireless data loggers for demanding applications

- Fully configurable via the integrated keypad - New!
- 128\*97 dot graphical LCD display -New!
- Compatible with B, C, D type thermocouples -New!
- Integral Wi-Fi Ethernet networking
- 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

Explanation	<p>Using multiple 24-bit analogue to digital convertors, twin processors and removable memory and Wi-Fi networking the SQ2040 Wi-Fi provides great flexibility to handle a wide range of complex and demanding multi-channel applications. The Squirrel SQ2040 Wi-Fi series is ideal for industrial, scientific research and quality assurance applications. The SQ2040 Wi-Fi provides standalone data acquisition, advanced networked solutions and data analysis straight out-of-the-box.</p> <p>Key features:</p> <ul style="list-style-type: none"><li>• 16 true differential or 32 single ended universal analogue inputs for voltage, current or resistance measurements plus 2 high voltages, 4 pulse and 8 digital event/state inputs</li><li>• Analogue inputs can be used with thermistors, thermocouples, 2,3 or 4 wire RTD temperature sensors and 4 - 20mA signals</li><li>• User selectable logging rates of up to 100Hz on up to four channels</li><li>• Standard (802.11b) wireless (Wi-Fi) Ethernet networking, USB and RS232 communication ports</li><li>• Large non-volatile internal memory storage for up to 14 million readings</li><li>• Download of internal data to removable MMC/SD (Multi Media Card / Secure Digital) memory card</li><li>• Sensor power and FET outputs for use with external devices</li><li>• Easy to read LCD and simple 4 button user interface</li><li>• Calculated channels derived from real channels using advanced mathematical functions e.g. log(x); ln(x); sqrt(x)</li></ul> <p>Analogue inputs supported:</p> <ul style="list-style-type: none"><li>• Thermistors</li><li>• Thermocouples</li><li>• Pt100/Pt1000 (maximum of eight 3- or 4-wire Pt100/1000 sensors - model 4F16 only)</li><li>• Voltage</li><li>• Current</li><li>• Resistance</li></ul>
Promotion	<b>This product has been discontinued. See our <a href="#">full range of data loggers</a></b>
Brand	Grant
Channel(s)	32
Typical applications	Environmental (Indoor)
Measurements	Universal