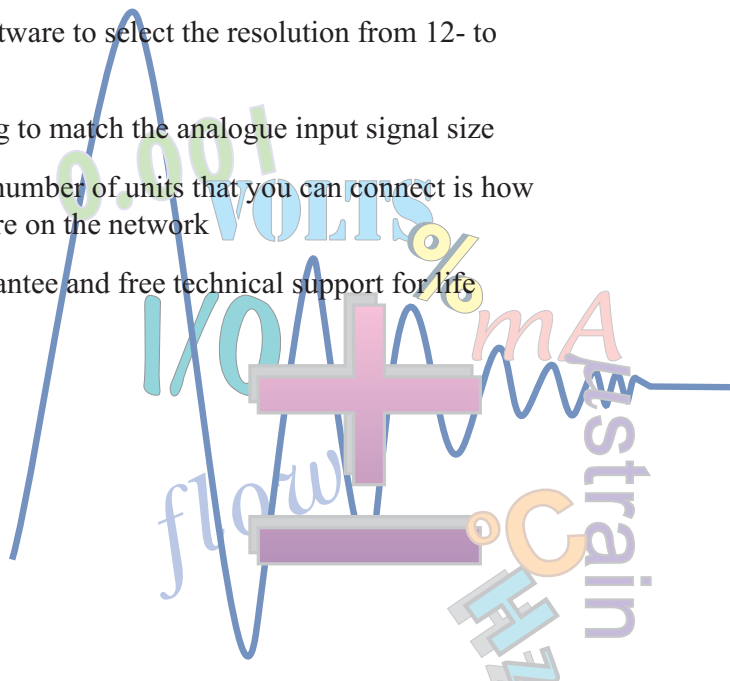
Data Acquisition & Control for Ethernet

The Microlink 851 Data Logger

Choose real-time data acquisition on your PC, or stand-alone data logging: both options feature on the Microlink 851.

- ☑ Control over an existing Ethernet network or the Internet
- ☑ Measure voltage, temperature, strain, pressure, current, flow, level, concentration, humidity, speed…
- ☑ Switch digital outputs
- ☑ Monitor digital inputs
- ☑ Count events and frequency
- ☑ Switch digital channels on alarms
- ☑ 48 Channels—mix configurations
- ☑ Includes the powerful Windmill software for data logging, charting, counting and control
- ☑ No programming necessary
- ☑ Automatic recalibration
- ☑ Integrating analogue-to-digital converter reduces noise
- ☑ Use Windmill software to select the resolution from 12- to 18-bits
- ☑ Automatic ranging to match the analogue input signal size
- ☑ Only limit to the number of units that you can connect is how many addresses are on the network
- ☑ Money back guarantee and free technical support for life



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MICROLINK
ENGINEERING
SOLUTIONS

“Gives me the flexibility I need at a price I can afford”

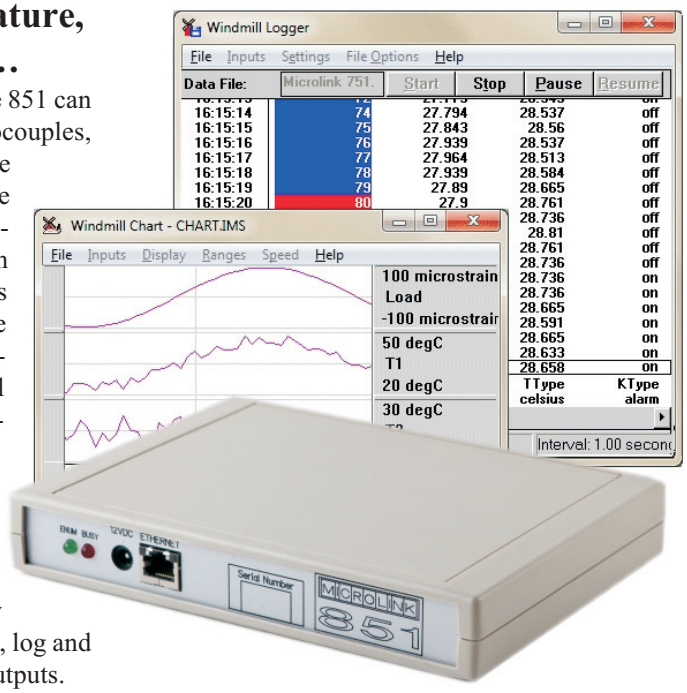
Microlink 851: Versatile and Quick to Set Up

Applications

- ☑ Condition monitoring
- ☑ Research and development
- ☑ Test and measurement
- ☑ Quality control
- ☑ Timing and counting
- ☑ Environmental data logging
- ☑ Process monitoring
- ☑ Remote data acquisition

Measure voltage, temperature, strain, pressure, current…

With additional conditioning units the 851 can monitor not only voltage but thermocouples, current, strain gauge bridges, pressure transducers and other sensors. Choose from six thermocouple types with automatic linearisation to Celsius. Or from six strain gauge bridge configurations and see results in microstrain. Scale the engineering units to suit your application. You can configure each channel individually, choosing its range, purpose, name, alarm thresholds and so on.



No Programming Needed

Windmill software makes set-up very easy. You can configure each channel, log and chart data, count and switch digital outputs.

Digital Input and Control

You can use the 32 digital lines as inputs or outputs, chosen through software in groups of eight. If you set alarms, you can automatically control external devices when alarm thresholds are crossed.

Counting

You can use 8 of the digital lines as event or frequency counters. You can set a scale and offset factor to the count from software. For example if the pulses came from a flow meter which produced one pulse for every 50 millilitres, a scale factor of 0.05 would give a reading in litres.

Ordering the Logging Package

The Microlink 851 costs just £595. This includes the Windmill software and technical support for life. We offer a money-back guarantee if not satisfied. To place an order, or to discuss your requirements, call +44 (0)161–834 6688, e-mail sales@microlink.co.uk or visit the Windmill on-line shop at http://www.windmillsoft.com/851.html. We design and build all the Microlink hardware and are happy to customise systems to your specifications.

Microlink 851 Specifications

Microlink to PC interface:	TCP/IP
Number of 851s on network:	unlimited
Memory	65000 scans
Analogue Inputs	
Number	16 differential per 851
Ranges	±0.01, ±0.1, ±1, ±10 V
Common mode range	±13 V
Maximum speed	10 scans per second
A-D Converter type	Integrating
Resolution	Selectable from 12 to 18 bits
Counters	
Max Number	8
Type	Event & Frequency
Max Frequency	5 kHz

Digital Inputs and Outputs	
Max Number	32 per 851
Power-up state	All inputs
Compatibility	TTL and 5 V CMOS
Range	0 to 5 V
Drive	15 LSTTL loads

Windmill Software

Operating system:	Windows 7 64-bit, 32-bit; 2000; XP; 98

Reads data at any time

Can pass data in real-time to third-party Windows software like Excel

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