

PRODUCT SELECTION CATALOG

DATA ACQUISITION

USB • LOGGERS • WIRELESS • PCI & PCIe • ETHERNET



**MEASUREMENT
COMPUTING™**

THE VALUE LEADER IN DATA ACQUISITION

WHY CHOOSE MCC

PRICE

MCC offers the lowest DAQ prices in the industry. With USB, loggers, wireless, PCI/PCIe, and Ethernet solutions, you'll find a DAQ product to fit most applications and budgets.

SUPPORT

To demonstrate our commitment to your success, every MCC DAQ solution includes free technical support for the life of your product. We offer direct support from the factory or from our network of worldwide partners in over 40 countries. No service contracts or fees - just the best service and support when you need it.

VALUE

Great value is more than a low price. Our Lifetime Limited Warranty is unmatched. Plus, all MCC DAQ hardware includes free software including Out-of-the-Box options as well as support for the most popular programming languages, operating systems, and applications like **DASYLab®** and **NI LabVIEW™**. With our new **DAQami** software you'll begin collecting data in minutes.

WHAT'S NEW AT MCC



NEW 4-CHANNEL THERMOCOUPLE DATA LOGGER

The **USB-5104** is a four channel, stand-alone thermocouple data logger. It's also battery powered and can store up to 1.9 million measurements for long-term temperature data logging.



NEW BLUETOOTH™ DAQ

The **BTH-1208LS** is a Bluetooth-compatible DAQ device with 8 analog inputs and sample rates up to 50 kS/s. It can be used with Windows® or Android™ tablets and smartphones.

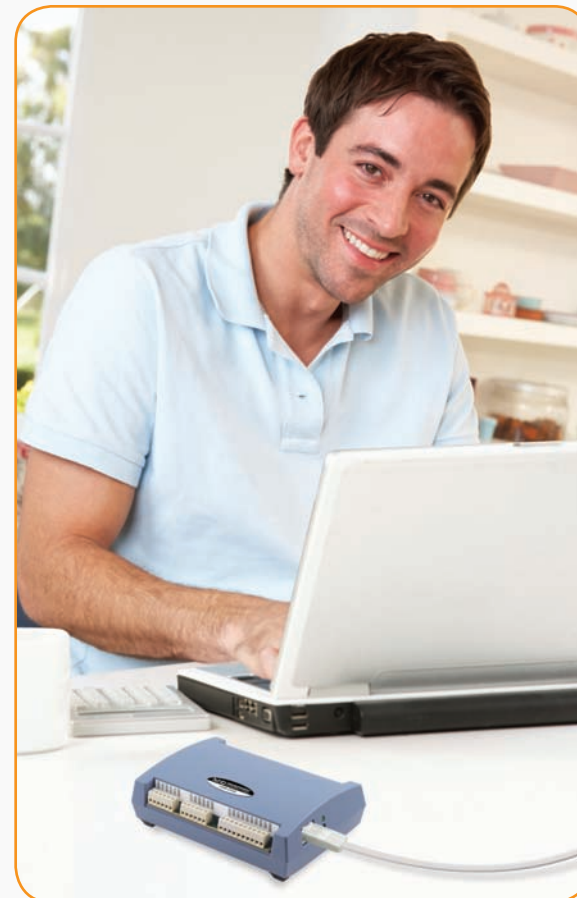


NEW SUPPORT FOR ANDROID™

Universal Library for Android is a data acquisition API for developing applications that run on the Android operating system.



DISTRIBUTORS OUTSIDE THE U.S.



Measurement Computing

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www.mccdaq.com



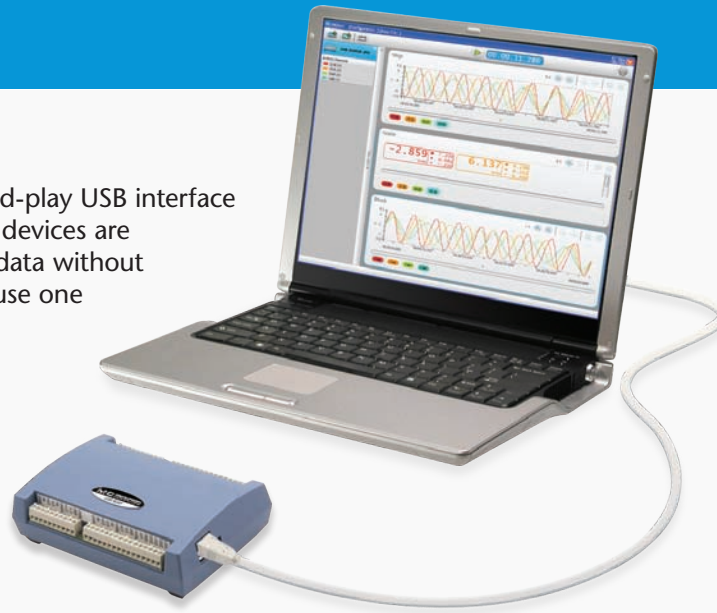
Pricing is for U.S. customers only. Pricing and specifications are subject to change.

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SOLUTION HIGHLIGHTS

The most popular bus for data acquisition, the plug-and-play USB interface easily connects one or multiple devices. Our USB DAQ devices are engineered to fit a wide array of applications. Acquire data without programming with our included software support, or use one of the many applications or programming languages.

- Up to 24-bit resolution
- Up to 2 MS/s sample rate
- Up to 64 channels
- Digital I/O and counter/timer (including quadrature)
- Analog output
- Included software and drivers
- *The best value in the industry from \$99*



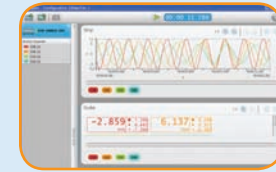
	DEVICE	Analog Inputs	Sample Rate	Digital I/O	Counters	Analog Outputs	PRICE
12-bit	USB-201	8 SE	100 kS/s	8	1	—	\$99
	USB-204	8 SE	500 kS/s	8	1	—	\$149
	USB-1208LS	8 SE/4 DIFF	1.2 kS/s	16	1	2	\$129
	USB-1208FS-Plus	8 SE/4 DIFF	50 kS/s	16	1	2	\$189
13-bit	USB-1208HS	8 SE/4 DIFF	1 MS/s	16	2	—	\$499
	USB-1208HS-4AO	8 SE/4 DIFF	1 MS/s	16	2	4	\$699
16-bit	USB-1608FS-Plus	8 SE	400 kS/s	8	1	—	\$399
	USB-1608G	16 SE/8 DIFF	250 kS/s	8	1	—	\$399
	USB-1608GX	16 SE/8 DIFF	500 kS/s	8	1	—	\$599
	USB-1608GX-2AO	16 SE/8 DIFF	500 kS/s	8	1	2	\$799
	USB-1602HS-2AO	2 SE	2 MS/s	32	2*	2	\$2,199
	USB-1616HS	16 SE/8 DIFF**	1 MS/s	24	4*	—	\$1,399
	USB-1616HS-4	16 SE/8 DIFF**	1 MS/s	24	4*	4	\$1,599
	USB-2633	64 SE	1 MS/s	24	4	—	\$1,099
	USB-2637	64 SE	1 MS/s	24	4	4	\$1,299
	24-bit	USB-2408	16 SE/8 DIFF	1 kS/s	8	2	—
USB-2408-2AO		16 SE/8 DIFF	1 kS/s	8	2	2	\$699
USB-2416		32 SE/16 DIFF**	1 kS/s	8	2	—	\$1,099
USB-2416-4AO		32 SE/16 DIFF**	1 kS/s	8	2	4	\$1,299

* Capable of measuring quadrature encoders

** Expandable to 64 SE/32 DIFF, measure volts or temp

[VIEW MORE PRODUCTS ONLINE](#)

SOFTWARE DESIGNED TO MEET YOUR REQUIREMENTS



New Out-of-the-Box **DAQami** software is included with select MCC devices and features an easy to use drag-and-drop interface. Acquire

and display data using strip chart, meter, and block displays.

Universal Library, a Windows®-based programming library, includes a universal set of functions compatible with most MCC products.

Universal Library for Android™ is a data acquisition API for developing applications that run on the Android operating system.

ULx for NI LabVIEW™ provides a new set of high-level VIs developed specifically for MCC devices.



DASYLab®, a graphical environment, creates powerful applications without writing code. Develop applications with control, analysis, display, and reporting features in minutes.

MATLAB® and **Linux®** — Many MCC products are supported under MATLAB and Linux. Refer to our website for details.

Out-of-the-box **TracerDAQ** is included with most hardware, and features a strip-chart recorder, oscilloscope, function generator, and rate generator.

An upgraded version, **TracerDAQ Pro**, provides more triggering options, alarms, up to 48 channels, and more.

12-BIT, LOW-COST, MULTIFUNCTION DEVICES

NEW [USB-200 Series](#)

- Up to 500 kS/s sample rate
- 12-bit resolution
- 8 SE analog inputs
- 8 digital I/O, one 32-bit counter
- Board-only OEM versions available
- Included software and drivers for Windows®, Linux®, and Mac®
- **From \$99**



16-BIT, HIGH-SPEED, MULTIFUNCTION DEVICES

[USB-1608G Series](#)

- 250 kS/s to 500 kS/s sample rate
- 16 SE/8 DIFF analog inputs
- Up to 2 analog outputs
- 8 digital I/O
- Two 32-bit counter input channels
- Included software and drivers for Windows®, Linux®, and Mac®
- **From \$399**



LOW-COST, HIGH-SPEED DEVICES

[USB-1208HS Series](#)

- Up to 1 MS/s sample rate
- 8 SE/4 DIFF analog inputs
- 16 digital I/O, counters/timers
- Up to 4 analog outputs
- Included software and drivers
- **From \$499**



LOW-COST, MULTIFUNCTION DEVICES

[USB-1208, 1408, 1608 Series](#)

- Up to 400 kS/s sample rate
- 12-, 14-, or 16-bit resolution
- Up to 8 analog inputs
- Digital I/O, counters/timers
- Up to 2 analog outputs
- Included software and drivers
- **From \$129**



VOLTAGE, TEMPERATURE, AND BRIDGE-BASED INPUT DEVICES

[USB-2404 Series](#)

- Up to 50 kS/s sample rate, up to ± 60 V inputs
- 24-bit resolution
- 4 universal analog inputs (USB-2404-UI)
- Directly measure voltage, resistance, temperature, current, or bridge-based sensors
- Simultaneous sampling
- Included software and drivers
- **From \$999**



HIGH-ACCURACY, MULTIFUNCTION DEVICES

[USB-2408 and USB-2416 Series](#)

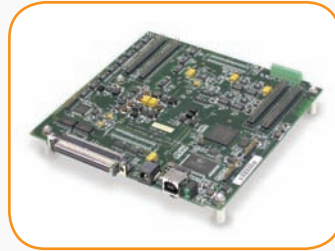
- Measure thermocouples or voltage
- 24-bit resolution
- 16 SE/8 DIFF or 32 SE/16 DIFF inputs
- Expandable to 64 SE/32 DIFF inputs (USB-2416 Series only)
- Up to 4 analog outputs, digital I/O, counters
- Included software and drivers
- **From \$599**



HIGH-SPEED, MULTIFUNCTION BOARDS

USB-2500 Series

- 1 MS/s sample rate
- 16-bit resolution
- Up to 64 analog inputs, multiple ranges
- 24 digital I/O, 4 counters (configurable for quadrature encoders)
- Up to four 16-bit, 1 MS/s analog outputs
- Included software and drivers
- **From \$949**



HIGH-SPEED, 16-BIT, MULTIFUNCTION DEVICES

USB-1616HS Series

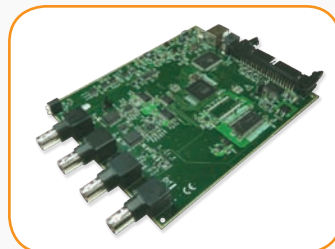
- Measure voltage or thermocouples
- 1 MS/s sample rate
- 16-bit resolution
- Up to 64 analog inputs
- 24 digital I/O, 4 counters/timers
- Up to 4 analog outputs
- Included software and drivers
- **From \$1,399**



ULTRA HIGH-SPEED BOARD

NEW USB-2020

- 8 MS/s sample rate, 20 MS/sec burst I/O transfer
- 12-bit resolution
- 2 analog inputs
- 8 digital I/O
- BNC connectors
- Included software and drivers
- **Coming Soon!**



HIGH-SPEED, MULTIFUNCTION BOARDS

NEW USB-2600 Series

- 1 MS/s sample rate
- 16-bit resolution
- Up to 64 analog inputs ± 10 V
- 24 digital I/O, 4 counters
- Up to four 16-bit, 1 MS/s analog outputs
- Included software and drivers
- **From \$799**



LOW-COST, TEMPERATURE AND VOLTAGE DEVICES

USB-TEMP and TC Series

- Measure thermocouples, RTDs, thermistors, or voltage
- 24-bit resolution
- 8 channels
- Included software and drivers
- **From \$359**



16-BIT, SIMULTANEOUS SAMPLING DEVICES

USB-1608HS Series

- 250 kS/s per channel simultaneous sampling
- 8 analog inputs
- 16 digital I/O, counters/timers
- Up to 2 analog outputs
- Included software and drivers
- **From \$1,199**



HIGH-SPEED, BNC, MULTIFUNCTION DEVICES

USB-1602HS and USB-1604HS Series

- 1.33 MS/s or 2 MS/s simultaneous sampling
- 16-bit resolution
- 2 or 4 analog inputs
- Up to 2 analog outputs
- 32 digital I/O, counter/timer
- Included software and drivers
- *From \$1,999*



ELECTROMECHANICAL RELAY DEVICES

USB-ERB Series

- 8 or 24 relays
- Form C (SPDT) relays
- 6 amps at 240 VAC/28 VDC
- Included software and drivers
- *From \$279*



DIGITAL I/O BOARDS AND DEVICES

USB-DIO24 Series and USB-DIO96H

- 24 or 96 channels
- High-current output models available
- Included software and drivers
- *From \$99*



DIGITAL DEVICES FOR SOLID STATE I/O DEVICES

USB-SSR Series

- 8 or 24 input or output channels
- Control and monitor up to 24 channels
- Uses standard OAC5/ODC5/IAC5/IDC5 modules (sold separately)
- Included software and drivers
- *From \$389*



ANALOG OUTPUT DEVICES

USB-3100 Series

- Up to 16 channels
- 16-bit resolution
- Voltage or current output
- High-drive models available
- 8 digital I/O
- Included software and drivers
- *From \$299*



QUADRATURE ENCODER DEVICE

USB-QUAD08

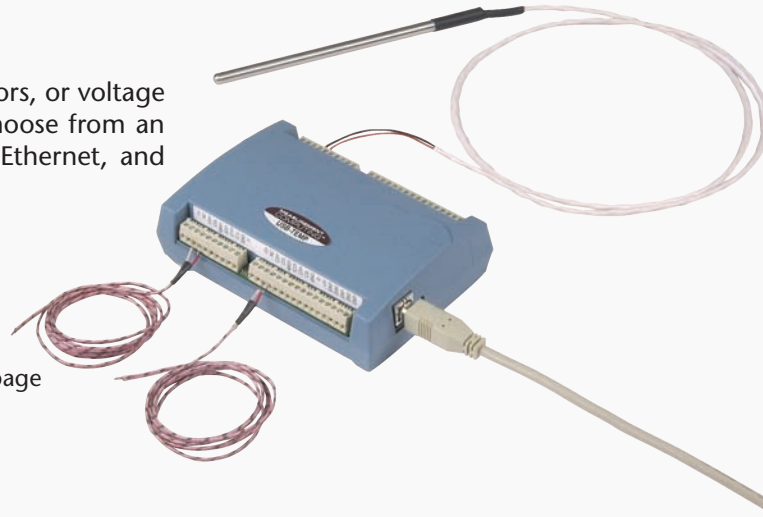
- 8 channels
- 10 MHz counters, ± 12 V input range
- Programmable debounce times
- 8 digital I/O
- Two timer outputs
- 16-, 32-, 48-bit resolution
- Included software and drivers
- *\$599*



SOLUTION HIGHLIGHTS

Accurately measure thermocouples, RTDs, thermistors, or voltage with our large selection of devices and boards. Choose from an assortment of interfaces, including USB, wireless, Ethernet, and stand-alone loggers.

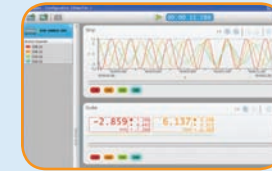
- Measure thermocouples, RTDs, thermistors, or voltage
- Up to 24-bit resolution
- USB bus-powered devices
- Stand-alone loggers with internal memory
- Ethernet-based devices with built-in Web server/Web page
- Wireless devices
- Included software and drivers
- From \$49



	DEVICE	Channels	Thermocouple Inputs	RTD, Thermistor, Semiconductor Temp Device Inputs	Voltage Inputs	Analog Outputs	Sample Rate	PRICE
USB	USB-TC	8	✓	—	—	—	2 S/s	\$359
	USB-TEMP	8	✓	✓	—	—	2 S/s	\$549
	USB-TC-AI	8	✓	—	✓	—	2 S/s	\$599
	USB-TEMP-AI	8	✓	✓	✓	—	2 S/s	\$719
	USB-2408	8*	✓	—	✓	—	1 kS/s	\$599
	USB-2408-2AO	8*	✓	—	✓	2	1 kS/s	\$699
	USB-2416	16**	✓	—	✓	—	1 kS/s	\$1,099
	USB-2416-4AO	16**	✓	—	✓	4	1 kS/s	\$1,299
Wireless	WiFi-501	1††	—	—	—	—	10 sec to 12 hrs	\$150
	WiFi-501-TP	1	—	thermistor	—	—	10 sec to 12 hrs	\$150
	WiFi-502	2†	—	—	—	—	10 sec to 12 hrs	\$185
Ethernet	WEB-TC	8	✓	—	—	—	2 S/s	\$599
	WEB-TEMP	8	✓	✓	—	—	2 S/s	\$699
Loggers	USB-601	1††	—	—	—	—	10 sec to 2 hrs	\$135
	USB-602	2†	—	—	—	—	10 sec to 2 hrs	\$150
	USB-603	2	✓	—	—	—	2 sec to 2 hrs	\$185
	USB-5104	4	✓	—	—	—	1 sec to 18 hrs	\$329
	USB-5201	8	✓	—	—	—	2 S/s	\$689
	USB-5203	8	✓	✓	—	—	2 S/s	\$799
	USB-501-LT	1††	—	—	—	—	15 min to 2 hrs	\$49

* 16 SE/8 DIFF
 ** 32 SE/16 DIFF expandable to 64 SE/32 DIFF channels with AI-EXP32
 † Measures temperature and humidity
 †† Measures temperature directly

SOFTWARE DESIGNED TO MEET YOUR REQUIREMENTS



New Out-of-the-Box **DAQami** software is included with select MCC devices and features an easy to use drag-and-drop interface. Acquire

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MATLAB® and **Linux®** — Many MCC products are supported under MATLAB and Linux. Refer to our website for details.

Out-of-the-box **TracerDAQ** is included with most hardware, and features a strip-chart recorder, oscilloscope, function generator, and rate generator.

An upgraded version, **TracerDAQ Pro**, provides more triggering options, alarms, up to 48 channels, and more.

[VIEW MORE PRODUCTS ONLINE](#)

LOW-COST, TEMPERATURE AND VOLTAGE DEVICES

NEW [USB-TEMP and TC Series](#)

- Measure thermocouples, RTDs, thermistors, or voltage
- 24-bit resolution
- 8 channels
- Included software and drivers
- **From \$359**



HIGH-ACCURACY, MULTIFUNCTION DEVICES

NEW [USB-2408 and USB-2416 Series](#)

- Measure thermocouples or voltage
- 24-bit resolution
- 16 SE/8 DIFF or 32 SE/16 DIFF inputs
- Expandable to 64 SE/32 DIFF inputs (USB-2416 Series only)
- Up to 4 analog outputs, digital I/O, counters
- Included software and drivers
- **From \$599**



4-CHANNEL THERMOCOUPLE DATA LOGGER

NEW [USB-5104](#)

- Supports up to four J, K, T, E, R, S, B, or N type thermocouple sensors
- Supports software-selectable burst logging
- Built-in LCD screen, battery powered
- Stores 1.9 million readings
- Included software
- **Only \$329**



HANDHELD DATA LOGGERS WITH LCD DISPLAYS

NEW [USB-600 Series](#)

- Measure temperature, humidity, or thermocouples
- Logging rates from 2 sec to 2 hours
- Graphic LCD shows real-time readings, graph, and current status
- Stores over 250,000 readings
- Battery powered
- Included software
- **From \$135**



LOW-COST DATA LOGGERS

NEW [USB-500 Series](#)

- Measure temperature, humidity, voltage, current, or event/state change
- Up to 32 K readings
- Battery powered
- Internal memory
- Included software
- **From \$49**



LOW-COST WIRELESS DEVICES

NEW [WiFi-500 Series](#)

- 1-2 channels
- Measure temperature and humidity
- LCD display
- High and low alarms
- Rechargeable internal battery
- Included software
- **From \$150**



OEM AND EMBEDDED SOLUTIONS

As a leading supplier of OEM DAQ solutions, we offer high-quality, cost-effective products backed by a worldwide sales and support network. Contact us to evaluate a product or discuss your application. Our OEM engineers will assist you through all phases of your product's life cycle.

- **OEM experience** - MCC has been a leading provider of OEM DAQ products since 1989
- **Volume pricing** - our proven efficiencies allow us to pass savings on to our customers
- **Customization** - different form factors, added or reduced functionality, private labeling, and more
- **Software** - comprehensive support for the most popular programming languages
- **Support** - qualified application engineers provide assistance with all phases of your product's life cycle
- **Unmatched warranties** - lifetime limited warranties and our unique Harsh Environment Program
- **Free OEM evaluations**



LOWEST-COST USB

NEW [USB-200-OEM Series](#)

- Up to 500 kS/s sample rate
- 12-bit resolution
- 8 SE analog inputs
- 8 digital I/O
- One 32-bit counter
- Included software and drivers for Windows®, Linux®, Mac®



HIGH-SPEED USB

NEW [USB-2600 Series](#)

- 1 MS/s sample rate
- 16-bit resolution
- Up to 64 analog inputs ± 10 V
- 24 digital I/O
- Four 32-bit counters
- Up to 4 analog outputs
- Included software and drivers



BLUETOOTH

NEW [BTH-1208LS-OEM](#)

- Acquires data over Bluetooth™ or USB
- 8 SE/4 DIFF analog inputs
- Up to 1 kS/s sample rate, 50 kS/s burst I/O transfer
- 8 digital I/O, one 32-bit counter
- Two 12-bit analog outputs
- Support for Windows® and Android™



MULTIFUNCTION PCI

[PCI-2500 Series](#)

- 1 MS/s sample rate
- 16-bit resolution
- 16 analog inputs
- 24 digital I/O, 4 counters (configurable for quadrature encoders)
- Up to 4 analog outputs
- Included software and drivers



[VIEW MORE PRODUCTS ONLINE](#)

SOLUTION HIGHLIGHTS

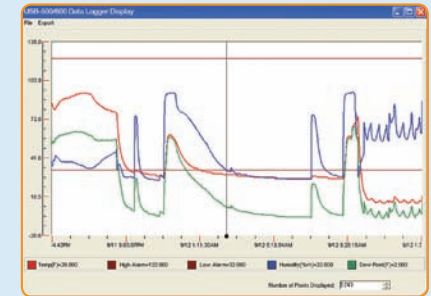
Our compact and powerful stand-alone data loggers measure voltage, temperature, humidity, current, and digital I/O. Configure, log, and access data easily with included software.

- Measure voltage, temperature, humidity, current, or event/state change
- One to 16 channels
- Configurable for start/stop time, logging rate, and more
- Download stored data via USB or memory card on some models
- Included software and drivers
- **From \$49**



SOFTWARE DESIGNED TO MEET YOUR REQUIREMENTS

USB-500/600 Series data loggers include easy-to-use software to set data rates, alarms, and start/stop times. Easily display, graph, and save data in formats such as Excel® and .csv.



Software options for the **USB-5200 Series** loggers include: **TracerDAQ** out-of-the-box software, **Universal Library** for programmers, **ULx for NI LabVIEW™**, and **DASyLab®** support.



Included **TracerDAQ** software provides set-up capability plus charting and graphing functions. Data can be easily exported into multiple formats.

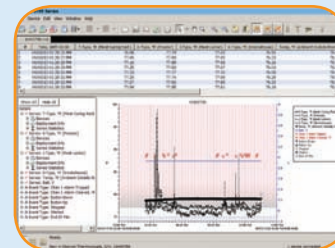
DEVICE	Channels	Measurement Type	Sample Rate	Digital I/O	Memory	Features	PRICE
USB-501	1	temperature	10 sec to 12 hrs	—	16 K readings	—	\$63
USB-501-LCD	1	temperature	10 sec to 12 hrs	—	16 K readings	built-in LCD display	\$80
USB-501-LT	1	temperature	15 min to 2 hrs	—	4 K readings	—	\$49
USB-501-PRO	1	temperature	1 sec to 12 hrs	—	32 K readings	extended temperature range	\$150
USB-501-RCG	1	temperature	1 sec to 12 hrs	—	32 K readings	rechargeable battery	\$125
USB-501-TC	1	thermocouple	1 sec to 12 hrs	—	32 K readings	—	\$85
USB-501-TC-LCD	1	thermocouple	1 sec to 12 hrs	—	32 K readings	built-in LCD display	\$102
USB-502	2	temperature, humidity	10 sec to 12 hrs	—	16 K readings	—	\$82
USB-502-LCD	2	temperature, humidity	10 sec to 12 hrs	—	16 K readings	built-in LCD display	\$99
USB-502-PLUS	2	temperature, humidity	10 sec to 12 hrs	—	16 K readings	increased accuracy	\$110
USB-503	1	0 to 30 VDC	10 sec to 12 hrs	—	32 K readings	—	\$72
USB-504	1	4 to 20 mA	10 sec to 12 hrs	—	32 K readings	—	\$72
USB-505	1	event, state change	1 sec to 12 hrs	—	32 K readings	—	\$82
USB-601	1	temperature	10 sec to 2 hrs	—	250 K readings	built-in LCD display	\$135
USB-602	2	temperature, humidity	10 sec to 2 hrs	—	250 K readings	built-in LCD display	\$150
USB-603	2	thermocouple	2 sec to 2 hrs	—	250 K readings	built-in LCD display	\$185
USB-5104	4	thermocouple	1 sec to 18 hrs	—	1.9 million readings	built-in LCD display	\$329
USB-5201	8	thermocouple	2 S/s per ch	8	512 MB (2 GB available)	—	\$689
USB-5203	8	thermocouple, RTD, thermistor	2 S/s per ch	8	512 MB (2 GB available)	—	\$799
LGR-5325	16	±10 V	up to 100 kS/s	16	4 GB (32 GB supported)	4 counters	\$1,499
LGR-5327	16	±30 V	up to 200 kS/s	16	4 GB (32 GB supported)	4 quadrature inputs	\$1,799
LGR-5329	16	±30 V	up to 200 kS/s	16	4 GB (32 GB supported)	4 quadrature inputs, isolated digital inputs	\$2,199

[VIEW MORE PRODUCTS ONLINE](#)

4-CHANNEL THERMOCOUPLE DATA LOGGER

NEW [USB-5104](#)

- Supports up to four J, K, T, E, R, S, B, or N type thermocouple sensors
- Supports software-selectable burst logging
- Built-in LCD screen, battery powered
- Stores 1.9 million readings
- Included software
- **Only \$329**



Each USB-5104 data logger includes an easy-to-use software application to acquire and read data. The logger stores the data for upload to a computer through USB when the acquisition is complete. Users can plot, filter, and export the data to .csv, .txt, or Excel®.

LOW-COST DATA LOGGERS

[USB-500 Series](#)

- Measure temperature, humidity, voltage, current, or event/state change
- One or two channel
- Up to 32 K readings
- Battery powered
- Included software
- **From \$49**



HANDHELD DATA LOGGERS WITH LCD DISPLAYS

NEW [USB-600 Series](#)

- Measure temperature, humidity, or thermocouples
- Logging rates from 2 sec to 2 hours
- Graphic LCD shows real-time readings, graph, and current status
- Stores over 250,000 readings
- Battery powered
- Included software
- **From \$135**



HIGH-SPEED, STAND-ALONE DATA LOGGERS

[LGR-5320 Series](#)

- 16 channels, up to ± 30 V
- Up to 200 kS/s sample rate
- 16 digital inputs up to 30 V
- Form C relay output for triggering/alarming
- Four counters (quadrature available)
- 4 GB SD memory card included
- Included software
- **From \$1,499**



STAND-ALONE DATA LOGGERS

[USB-5200 Series](#)

- Measure thermocouples, RTDs, or thermistors
- 24-bit resolution
- 8 channels
- 8 digital I/O; configurable for alarming
- CompactFlash® memory card included
- Included software and drivers
- **From \$689**



SOLUTION HIGHLIGHTS

You no longer need to tether your DAQ device to a PC. Our wireless DAQ products provide the freedom to move your DAQ device to where it's needed. The new **BTH-1208LS** is compatible with Windows or Android™ operating systems, allowing users to develop tablet and smartphone DAQ solutions.

- Bluetooth or WiFi connectivity
- Up to 8 channels
- Up to 1 kS/s sample rate
- Included software and drivers for Windows® and Android™
- From \$150

BLUETOOTH DEVICE

NEW **BTH-1208LS**

- 8 channels
- Up to 1 kS/s sample rate, 50 kS/s burst mode
- 8 digital I/O. 2 analog outputs
- Battery powered
- 10 meter range
- Board-only OEM version available
- Included software and drivers for Windows® and Android™
- Only \$199



LOW-COST, TEMPERATURE AND HUMIDITY

NEW **WiFi-500 Sensor Series**

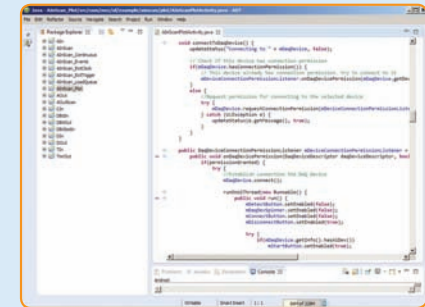
- 1-2 channels
- Measure temperature and humidity
- Log more than 1 million temperature samples, and more than 500,000 temperature/humidity samples
- LCD screen
- High and low alarms
- Rechargeable internal battery
- Included EasyLog WiFi software
- From \$150



[VIEW MORE PRODUCTS ONLINE](#)



SOFTWARE DESIGNED TO MEET YOUR REQUIREMENTS



The **Universal Library (UL) for Android™** is a data acquisition API for developing applications that run on the Android operating system.

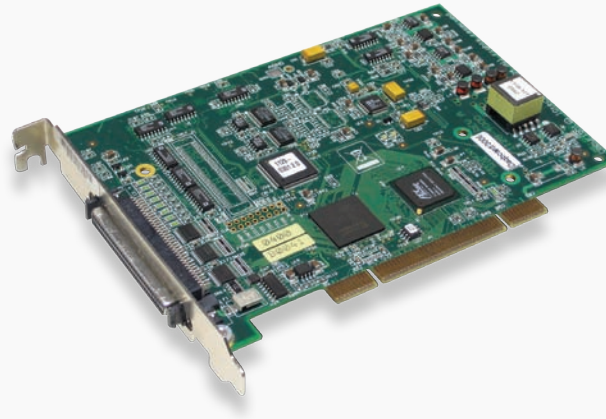
The UL for Android API installs on supported Windows®, Linux®, and Mac® platforms for users to develop and deploy applications to Android devices.

Because it is similar to the Universal Library, UL for Android provides the same high-level functions for all common DAQ device operations. Programmers already familiar with the UL on the Windows platform do not need to learn a new library.

SOLUTION HIGHLIGHTS

MCC plug-in boards are engineered to fit your application. For programmers, our Universal Library contains high-level functions for common operations regardless of bus interface. The driver easily migrates from ISA to PCI to USB. Protect your investment with MCC's platform compatibility.

- Analog input and output
- Digital I/O
- Counters/timers
- High-speed, up to 20 MS/s
- Signal conditioning options
- Included software and drivers
- **From \$99**



	DEVICE	Analog Inputs	Sample Rate	Digital I/O	Counters	Analog Outputs	PRICE
16-bit Multifunction	PCIe-DAS1602/16	16 SE/8 DIFF	100 KS/s	32	3	2	\$799
	PCI-2511	16 SE	1 MS/s	24	4*	—	\$719
	PCI-2513	16 SE/8 DIFF	1 MS/s	24	4*	—	\$829
	PCI-2515	16 SE/8 DIFF	1 MS/s	24	4*	2	\$939
	PCI-2517	16 SE/8 DIFF	1 MS/s	24	4*	4	\$1,049
Analog Output	PCI-DAC6702	—	—	8	—	8	\$729
	PCI-DAC6703	—	—	8	—	16	\$879
Digital I/O	PCI-DIO24	—	—	24	—	—	\$99
	PCI-DIO96	—	—	96	—	—	\$299
	PCIe-DIO24	—	—	24	—	—	\$279
	PCIe-DIO96H	—	—	96	—	—	\$439

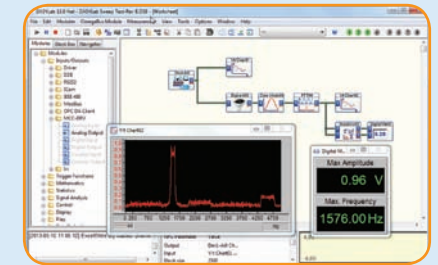
* Capable of measuring quadrature encoders

[VIEW MORE PRODUCTS ONLINE](#)

SOFTWARE DESIGNED TO MEET YOUR REQUIREMENTS

[Universal Library](#), a Windows®-based programming library, includes a universal set of functions compatible with most MCC products.

[ULx for NI LabVIEW™](#) provides a new set of high-level VIs developed specifically for MCC devices.



[DASyLab®](#), a graphical environment, creates powerful applications without writing code. Develop applications with control, analysis, display, and reporting features in minutes.

[MATLAB®](#) and [Linux®](#) — Many MCC products are supported under MATLAB and Linux. Refer to our website for details.

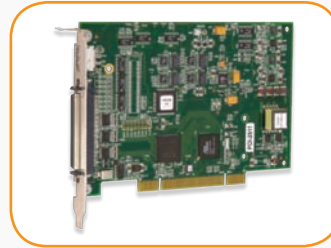
Out-of-the-box [TracerDAQ](#) is included with most hardware, and features a strip-chart recorder, oscilloscope, function generator, and rate generator.

An upgraded version, [TracerDAQ Pro](#), provides more triggering options, alarms, up to 48 channels, and more.

HIGH-SPEED, MULTIFUNCTION BOARDS

[PCI-2500 Series](#)

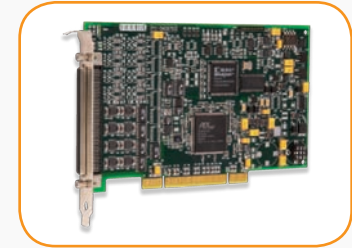
- 1 MS/s sample rate
- 16-bit resolution
- 16 analog inputs
- 24 digital I/O, 4 counters (configurable for quadrature encoders)
- Up to 4 analog outputs
- Included software and drivers
- **From \$719**



ANALOG OUTPUT BOARDS

[PCI-DAC6700 Series](#)

- 8 or 16 outputs
- 16-bit resolution
- 8 digital I/O
- Included software and drivers
- **From \$729**



MULTIFUNCTION PCI EXPRESS BOARD

[PCIe-DAS1602/16](#)

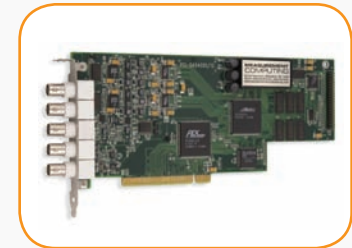
- 16 SE/8 DIFF analog inputs (switch-selectable)
- 16-bit resolution
- Up to 100 kS/s max sample rate for any channel
- Two 12-bit analog outputs
- 32 digital I/O
- Included software and drivers
- **\$799**



ULTRA HIGH-SPEED BOARD

[PCI-DAS4020/12](#)

- 20 MS/s sample rate
- 12-bit resolution
- 4 analog inputs
- 2 analog outputs
- 24 digital I/O
- Included software and drivers
- **\$1,429**



LOWEST-COST ANALOG INPUT BOARD

[PCI-DAS08](#)

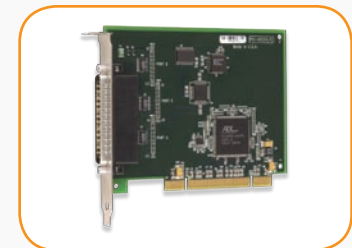
- 8 analog inputs
- 40 kS/s sample rate
- 7 digital I/O, counters/timers
- Included software and drivers
- **\$249**



PCI AND PCIe DIGITAL I/O BOARDS

[PCI-DIO24 Series](#)

- Low profile/half height available
- High-drive capability available
- 82C55-based
- PCIe versions available
- 48- and 96-channel versions available
- Included software and drivers
- **From \$99**



VOLTAGE, TEMPERATURE, AND STRAIN MEASUREMENT DEVICES

6000 Series

- 12 channels
- Up to 24-bit resolution
- Up to 100 kS/s sample rate per channel
- 8 digital I/O
- Expandable using multiple 6000 Series devices
- Included *Out-of-the-Box* Encore software
- **From \$2,299**



RACK AND LABORATORY

DaqScan/2000 and DaqLab/2000

- 19" rack-mountable and benchtop DAQ
- 8 to 256 channels
- Ethernet interface
- Measure various sensor types
- *Out-of-the-Box* software and drivers
- **From \$1,869**



WEB-ENABLED, TEMPERATURE MEASUREMENT DEVICES

WEB-TEMP and TC Series

- Measure thermocouples, RTDs, thermistors, or semiconductor sensors
- 8 channels
- Built-in web server/web page
- Ethernet connection
- 8 digital I/O
- **From \$599**



MIXED SIGNAL MEASUREMENTS

DaqBook/2000 Series

- Measure temperature, strain, pressure, and more
- 8 to 256 channels
- 200 kHz A/D
- Ethernet interface
- Digital I/O and Analog Output
- *Out-of-the-Box* software and drivers
- **From \$2,749**



STRAIN GAGE MEASUREMENTS

StrainBook/616

- Measure strain, load, and pressure
- 8 to 64 channels
- 1 MHz A/D
- Ethernet interface
- Digital I/O
- *Out-of-the-Box* software and drivers
- **From \$6,599**



HIGH-SPEED, MIXED SIGNAL MEASUREMENTS

WaveBook/516E

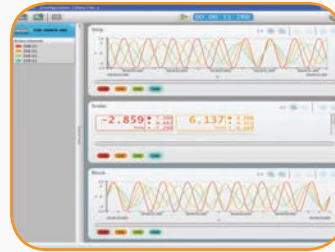
- Measure vibration, strain, pressure, temperature, and more
- 8 to 72 channels
- 1 MHz A/D
- Ethernet interface
- Digital I/O
- *Out-of-the-Box* software and drivers
- **From \$6,599**



OUT-OF-THE-BOX

NEW DAQami

- Easy to use drag-and-drop interface
- Acquire and log analog and temperature data
- Includes scalar, strip, and block displays
- Included with select MCC devices



OUT-OF-THE-BOX

TracerDAQ

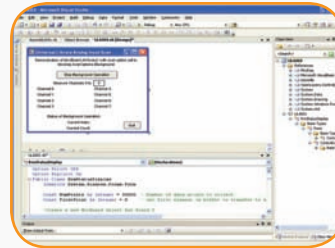
- Includes strip chart, oscilloscope, function generator, and rate generator
- Easy to use
- Included with most MCC hardware



VISUAL STUDIO® & VISUAL STUDIO .NET®

Universal Library

- Windows®-based programming library included with most MCC hardware
- Supports C/C++, Visual Studio®, Visual Studio .NET®
- Universal set of functions for all MCC hardware



ANDROID™

NEW Universal Library for Android™

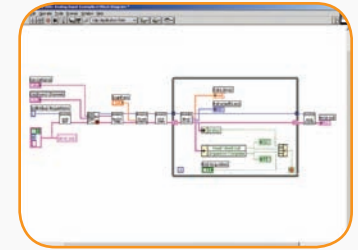
- Develop apps for use on Android tablets and smartphones
- Includes example projects and demo apps
- Uses the same high-level functions as Universal Library
- Included with select MCC devices



NI LabVIEW™

ULx for NI LabVIEW

- Library, VIs, and program examples for NI LabVIEW
- Comprehensive library of graphical functions
- Included support with most MCC hardware



DASYLab®

DASYLab Drivers

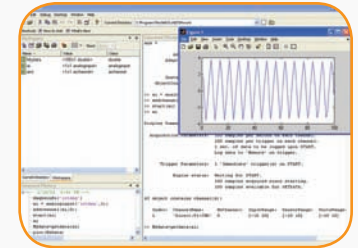
- Create powerful applications without writing code
- Control, analysis, display, reporting, and more
- Included support with most MCC hardware



MATLAB®

MATLAB Drivers

- Communicate directly with MCC data acquisition hardware
- Data analysis, data manipulation, and pre- and post-processing
- Supported through MATLAB's Data Acquisition Toolbox®



LINUX®

Linux Support

- Professional API for programmers
- Support for many MCC boards and devices

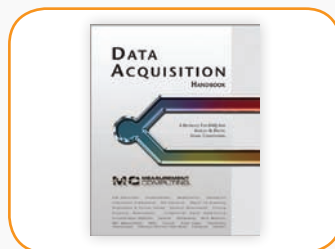


Whether you're looking for technical resources, application studies, or just want to learn more about DAQ, mccdaq.com/Learn is the place to find the information you need for real world DAQ applications. Videos, white papers, app notes, technical resources and more.

[All are free and available for download.](#)

DATA ACQUISITION HANDBOOK

- A fundamental resource guide for data acquisition
- Topics include: analog to digital conversion, multiplexing, temperature, strain, vibration, noise reduction, isolation, and more



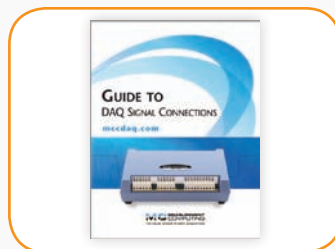
IMPROVING MEASUREMENT QUALITY WITH SIGNAL CONDITIONING

- Learn about amplifiers, filtering, attenuation, isolation, circuit protection, and more



GUIDE TO DAQ SIGNAL CONNECTIONS

- Learn about proper grounding, common mode voltages, single-ended versus differential inputs, and more
- An overview of wiring configurations, techniques, and best practices for data acquisition signal connections



MAKING ACCURATE TEMPERATURE MEASUREMENTS

- Learn about taking measurements with thermocouples, RTDs and thermistors
- Sensor basics and background
- Measurement pitfalls and practical precautions



APPLICATION NOTES & WHITE PAPERS

- Learn how customers use MCC DAQ
- Technical white papers detailing DAQ fundamentals and topics



VIDEOS

- Product info and how-to videos
- Available in seven languages



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