



Technischer Vertrieb
Deutschland
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NI cDAQ-9178

NI CompactDAQ 8-Slot Chassis

- Built-in BNC connections for external clocks and triggers (up to 1 MHz)
- Run analog input modules at different rates with multiple timing engines
- Four general-purpose 32-bit counter/timers built into chassis (access through digital module)
- NI-DAQmx driver with LabVIEW SignalExpress LE
- Windows 7 OS support
- Hi-Speed USB with NI signal streaming technology



Überblick

The NI cDAQ-9178 is an eight-slot NI CompactDAQ chassis designed for small, portable, mixed-measurement test systems. Combine the cDAQ-9178 with up to eight NI C Series I/O modules for a custom analog input, analog output, digital I/O, and counter/timer measurement system.

Modules are available for a variety of sensor measurements including thermocouples, RTDs, strain gages, load and pressure transducers, torque cells, accelerometers, flow meters, and microphones. NI CompactDAQ systems combine sensor measurements with voltage, current, and digital signals to create custom, mixed-measurement systems with a single, simple USB cable back to the PC, laptop, or netbook.

The cDAQ-9178 has four, 32-bit general-purpose counter/timers built in. You can access these counters through an installed, hardware-timed digital module such as the NI 9401 or NI 9402 for applications that involve quadrature encoders, PWM, event counting, pulse train generation, and period or frequency measurement.

Use the two built-in BNC connections to share clocks or triggers up to 1 MHz.

The cDAQ-9178 chassis is shipped with the following:

- AC/DC converter that plugs directly into the chassis
- USB cable with a thumbscrew lock for strain relief

Power cord sold separately.

The NI-DAQmx driver shipped with every chassis includes the following:

- LabVIEW SignalExpress LE for simple data-logging applications
- API for LabVIEW, C, C++, C#, and Visual Basic .NET
- DAQ Assistant code generation for NI LabVIEW, LabWindows™/CVI, and Measurement Studio
- Example programs for all supported languages
- NI Measurement & Automation Explorer (MAX) for system configuration and test

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Spezifikationen

Technische Dokumentation

- Ausführliche Spezifikationen
- Produktbeschreibung (engl.)

Zusammenfassung der Spezifikationen

Allgemein

Formfaktor	CompactDAQ
Betriebssystem/Zielsystem	Windows
Unterstützung von LabVIEW Real-Time	Nein
Anzahl der Steckplätze	8
Integrierter Trigger	Ja
Elektrisch	
Verfügbare Gesamtleistung	15 W
Eingangsspannungsbereich	9..30 V
Counter/Timer	
Anzahl der Counter/Timer	4
Auflösung	32 bit
Busschnittstelle	
USB-Spezifikation	Hi-Speed USB (2.0)
Leistungsstarkes Daten-Streaming	7
Verfügbare Arten	Analogausgang, Analogeingang, Counter/Timer-Eingang, Digitalausgang, Digitaleingang
Physikalische Spezifikationen	
Länge	25.4 cm
Breite	8.81 cm
Höhe	5.89 cm
Gewicht	878 gram
Betriebstemperatur	-20..55 °C