



Improve your ni.com experience. [Login](#) or [Create a user profile](#).

Find the Right Data Acquisition Product

Questions? [Talk to an Expert](#) or call (800) 531-5066

[« Back to all results](#)

USB-6216
Multifunction DAQ

[\[remove\]](#)

\$ 1,199

[Add to Cart](#)
[Instant Quote](#)
[Add to My Parts List](#)

General

Form Factor

USB

OS Support

Windows

Measurement Type

Quadrature encoder, Voltage

DAQ Product Family

M Series

Isolation Type

Bank Isolation

Analog Input

Number of Channels

16 SE/8 DI

Sample Rate

400 kS/s

Resolution

16 bits

Simultaneous Sampling

No

Maximum Voltage Range

-10..10 V

Range Accuracy

2.69 mV

Range Sensitivity

91.6 μ V

Minimum Voltage Range

-200..200 mV

Range Accuracy

0.088 mV

Range Sensitivity

4.8 μ V

USB-6216

Multifunction DAQ

[\[remove\]](#)

<u>Number of Ranges</u>	4
<u>On-Board Memory</u>	4095 samples
Analog Output	
Number of Channels	2
<u>Update Rate</u>	250 kS/s
<u>Resolution</u>	16 bits
<u>Maximum Voltage Range</u>	-10..10 V
<u>Range Accuracy</u>	3.512 mV
<u>Minimum Voltage Range</u>	-10..10 V
<u>Range Accuracy</u>	3.512 mV
<u>Current Drive (Channel/Total)</u>	2 mA/4 mA
Digital I/O	
<u>Number of Channels</u>	32 DIO
<u>Timing</u>	Software
<u>Logic Levels</u>	TTL
Maximum Input Range	0..5.25 V
Maximum Output Range	0..3.8 V
<u>Input Current Flow</u>	Sinking
<u>Programmable Input Filters</u>	No
<u>Output Current Flow</u>	Sourcing
<u>Current Drive (Channel/Total)</u>	16 mA/50 mA
<u>Watchdog Timer</u>	No
<u>Supports Programmable Power-Up States?</u>	No
<u>Supports Handshaking I/O?</u>	No
<u>Supports Pattern I/O?</u>	No
Counter/Timers	

	USB-6216 Multifunction DAQ
	[remove]
Number of Counter/Timers	2
Resolution	32 bits
Maximum Source Frequency	80 MHz
Logic Levels	TTL
Maximum Range	0..5.25 V
Timebase Stability	50 ppm
GPS Synchronization	No
Pulse Generation	Yes
Buffered Operations	Yes
Debouncing/Glitch Removal	Yes
Timing/Triggering/Synchronization	
Triggering	Digital
Physical Specifications	
Length	16.9 cm
Width	9.4 cm
Height	3.1 cm
I/O Connector	Screw terminals
Data Sheet	Data Sheet
	USB-6216 Multifunction DAQ
	[remove]

Feedback

Help us to make this application better. Please share any feedback, suggestions, or comments below:

Please Note: We are unable to respond directly to comments. For product-related questions requiring a response, please use the 'Talk to Expert' links located in the 'Price' column above.



« [Back to all results](#)

[My Profile](#) | [RSS](#) | [Privacy](#) | [Legal](#) | [Contact NI](#)

© 2008 National Instruments Corporation. All rights reserved.

|  [E-Mail this Page](#)