

PRELIMINARY DATA SHEET

DMM-32X-AT

Key Features

Advanced technology: Patented automatic autocalibration provides carefree, accurate performance over the life of the product

32 16-bit analog inputs, 250KHz, with programmable gain and 1024-sample FIFO

4 12-bit analog outputs, 100KHz, with 1024-sample waveform buffer

2 programmable counter/timers for A/D and D/A sample rate control and user functions

24 buffered digital I/O lines with programmable direction and pull-up/pull-down resistors

Supported by Universal Driver programming library for Linux, Windows 98/2000/XP/XPe/CE.NET, DOS, QNX, and VxWorks

-40 to +85°C operation

PC/104 form factor

The new DMM-32X-AT analog I/O PC/104 module from Diamond Systems utilizes patented Automatic Autocalibration technology to calibrate itself automatically whenever required, without user intervention. An on-board microcontroller enables standalone use as a remote measuring device with no CPU needed. The board offers 32 analog inputs with 16-bit A/D and 250KHz sample rate, 4 analog outputs with 12-bit D/A and 100KHz waveform output capability, 24 digital I/O lines, 2 counter/timers, and -40 to +85°C operating temperature. And our free Universal Driver provides programming support for the most popular embedded operating systems.

