USB-488

GPIB Universal Serial Bus (USB) Controller

USB-488

Features

- Parallel and serial ports emulation
- IEEE 488.2 subroutines
- Interactive test utility (DOS and Windows)
- Support device emulation
- Hardware diagnostics
- Example program library
- Macro command support

Functional Description

The USB-488 uses the USB port of a PC to provide an IEEE 488.2 interface for GPIB instruments. The compact size of USB-488 makes it ideal for portable applications for notebook PCs as well as applications for the desk-top computers with a USB port.

The USB-488 is easy to install. The Plug & Play feature let your Windows 2000/XP/ME/98 computers recognize the IEEE 488.2 interface as soon as you attach it to USB port. This product implements all required and optional features of the IEEE 488.2 specification in controller or device mode as a talker or a listener. It is fully compatible with existing applications running on your other IEEE 488 control cards. Drawing power from the USB port so it does not need external power supply.

USB-488 is easy to use in programming. Abundant practical examples that let you complete data acquisition, measurement and analysis tasks faster than ever before. The hardware, software and documentation have all been carefully designed or written to increase your productivity.

Hardware

USB-488 works in any computer with one or more USB ports and controls all IEEE 488, GPIB and HP-IB instruments. PCI-488 implements all the required and optional features of IEEE 488.2 standard in controller or device mode as a talker or a listener. PCI-488 hardware is 100% compatible with existing applications currently running on our other IEEE 488 cards.

Software

USB Plug & Plug software with auto-addressing provides instant-on switch with less configuration. All IEEE 488.2 functions and commands are supported. These include listen, talk, device clear, group execute trigger, go to local, interface clear, local lockout, parallel poll configure or disable, remote enable, selected device clear, serial poll, pass control, unlisten, and untalk.

Support Languages

BASIC, QBASIC, Professional BASIC7, QuickBASIC, Visual BASIC for DOS and Windows, Quick Pascal, Turbo Pascal, Delphi, Quick C for DOS and Windows, C, C++, Visual C/C++, Watcom C, Fortran, TestPoint, hpVEE, LabVIEW, LabWindows CVI.

Specifications

- I/O Connectors
  USB : USB standard series B plug
  GPIB: IEEE 488 standard 24 pins
- Comes with built-in 2-meter cable
- Operating Environment
  Temperature: 0 ~ 55°C
  Relative humidity: 10 ~ 90%, non-condensing
- Storage Environment
  Temperature: -20 ~ 70°C
  Relative humidity: 5 ~ 95%, non-condensing

Ordering Information

Standard

USB-488 : USB IEEE 488 controller by the USB port