

# PXI 9726

## ► Embedded PXI Bus System Controller

### Features

- Intel® Pentium® M Processor 755
- IEEE488.2 GPIB Controller
- USB2, COM, LPT, 10/100BaseT Ethernet
- Windows 2000/XP, Linux
- LongLife™ through ETX technology

### Overview

The PXI 9726 is a full-featured PXI bus Embedded System Controller ideally suited for cost sensitive applications.

The ines PXI 9700 series is build on industry-strength ETX CPU modules. By using industry-strength CPU modules a product lifetime of typically ten (10) years can achieved. For your PXI bus application this means that there is no need to re-evaluate your application each time a new CPU generation appears.

#### IEEE488.2 GPIB interface

The on-board GPIB interface allows to integrate GPIB equipment with your PXI test system application without additional costs.

It performs all the basic IEEE-488.1 functions such as talker, listener and system controller. The IEEE-488.2 compatible functions make it fully compliant with the IEEE-488.2 specification. In controller applications, you can control typically up to 15 devices (instruments). If operated as a talker/listener (device) interface it does exchange data and state information with the current controller-in-charge of the GPIB bus. The PXI 9726 lets Windows and Linux programs control GPIB devices.



### Specifications

#### PC Architecture Components

**CPU:** Intel® Pentium® M Processor 755, 2000 MHz, 32 KB Level 1 Cache, 2048 KB Level 2 Cache, "Dothan" Core

**System Memory:** 1 x 200 pin SO-DIMM sockets, support ECC Double DataRate (DDR)128 MB to 1 GB, accept 128/256/512/1000 MB DDR200/266/333 DRAM.

**System Chipset :** Intel 855GME GMCH/ ICH4 Chipset 400 MHz PSB

**BIOS:** AWARD 4 Mbit Flash BIOS

**WatchDog Timer:** 255 levels timer interval, from 1 to 255 sec or min setup by software, jumperless selection, generates system reset

**Enhanced IDE interface:** Two channels supports up to four EIDE devices. BIOS auto-detect, PIO Mode 3 or Mode 4, UDMA66 transfer

#### Ethernet

**Chipset:** Intel 82551QM

**Ethernet Interface:** IEEE 802.3u 100Base-T compatible, Built-in boot ROM in Flash BIOS, RJ-45 connector

#### Display

**Chipset:** Intel 855GME

**Memory Size:** Optimized shared memory architecture, supports up to 32 MB frame buffer using system memory

**Resolution:** Pixel resolution up to 1600 x 1200 at 85 Hz and 2048 x 1536 at 75 Hz

**FDD interface:** Flat-ribbon cable FDD connector on board

**Serial Ports:** One serial RS232 port (COM1)

**Parallel Port:** Parallel port supports SPP/EPP/ECP mode

**Keyboard/mouse connector:** Supports standard PC/AT keyboard and a PS/2 mouse

**Power management:** Supports power saving modes including Normal/Standby/Suspend modes, APM 1.2 compliant

**USB:** Two USB 2.0 ports

**HDD:** Minimum 40GB

### PXI bus

**Compliance:** PXI Bus Rev. 2.0, CompactPCI Bus Rev. 3.0

**Trigger:** PXI trigger lines with flexible trigger protocols

### GPIO Interface

**IEEE 488.1 Capabilities:** AH1, SH1, T/TE5, L/LE3, SR1, RL1, PP1/PP2, DC1, DT1, C1, C2, C3, C4, C5

**IEEE 488.2 Capabilities:** includes the capability to read the following bus lines:EOI, ATN, SRQ, REN, IFC, NRFD, NDAC, DAV

**GPIO Handshake Rate:** > 1Mbytes/sec

**GPIO Connector:** Standard IEEE 488 connector, no adapter cable required

### Environmental and Physical

**Form factor:** Standard 3U PXI/CompactPCI, 12 HP wide (3-slot)

**Operating ambient temperature:** 0 to 50°C

**Storage temperature:** -20 to 80°C

**Relative humidity:** 5 to 95%, noncondensing

**Vibration:** Operation: 0.5 GRMS, 5...500 Hz, Non-operation: 1.88 GRMS, 5...500 Hz

**Weight (net):** 0.6 kg

### Ordering Information

**PXI 9726 - Controller, Software CDROM, Windows XP**

**Option -B - without operating system installed**

### On the Web

Click [www.inesinc.com](http://www.inesinc.com) for more information and resources.



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