

Host Memory

- Two 144-pin SO-DIMM sockets, supporting maximum 512MB un-buffered SDRAM module
- Standard package: 128 MB SDRAM

IDE Ports

- Primary IDE bus: one 44-pin ATA-100 EIDE interface on board to support one slim type EIDE hard disk drive
- Secondary IDE bus: provides one 50-pin CompactFlash type II connector (CF1: jumper-selectable as master or slave) and one 40-pin ATA-100 IDE connector on the front panel

USB Interface

- Three USB ports, Specification Rev. 1.1 compliant
- USB-1, 2 on front panel. USB-3 on the rear I/O transition module (PXI-R3710)
- Over-current protection, with polyswitch resettable fuse @ 500 mA

On-board Ethernet

- One RJ-45 ethernet port on the front panel
- LAN controller integrated in ICH2 and Intel 82562EM PHY
- IEEE 802.3 10Base-T/100Base-TX compatible
- Supports Intel pre-boot execution environment (PXE) for remote booting in Windows NT/2000

On Board Supper I/O

- Chip: Winbond W83627HF
- LPT: one high-speed bi-directional SPP/EPP/ECP parallel port
- FDD: one high density FDD connector
- COM Ports
 - Two 16C550 UARTs compatible COM ports
 - COM1 available on front panel, RS-232/422/485 jumper selectable (With RS-485+ Auto-Direction Technology)
 - ESD protection to 2 kV
 - COM2 on rear I/O transition module, PXI-R3710
- Keyboard and Mouse interface: one PS2 keyboard connector and one PS2 mouse connector
- Watchdog Timer
 - Programmable intervals: 1-255 seconds or 1-255 minutes
 - The watchdog timer time out will generate an interrupt to NMI or RESET, selectable in BIOS menu
- Hardware Monitoring: Winbond W83627HF, monitors CPU temperature, system temperature and DC Voltages

Flash Disk Supporting

- Supports two CompactFlash type II sockets. CF1 socket is based on internal secondary IDE interface. CF2 socket is hot swappable interface on the front panel

LED

- System active LED: Green LED will light after POST, and turns dark when system power-off
- IDE LED: Yellow LED flashes when accessing IDE ports
- WDT LED: Red LED is dark when power on. After enabling the WDT via software, the LED will flash. When WDT timeout occurs, the LED will stay on
- General purpose LED: This is a programmable BLUE LED

Form Factor

- PXI-3710: Standard 3U PXI/CompactPCI, 12HP wide (3-slot)
- PXI-3710F: Standard 3U PXI/CompactPCI, 16HP wide (4-slot)

Rear I/O (PXI-R3710)

- Form factor: 3U PXI Rear I/O with cPCI-J2 connector, 8HP wide (2-slot)
 - Rear panel
 - One USB connector
 - One DB-9 connector for COM2
 - One DVI output connector
 - Reserve one 20 pin connector to support LVDS pixel data transmission output, LVDS supports resolution from flat panel display up to UXGA
 - Reserve one 44 pin connector to support 24-bit TTL FPD output

Environment

- Operating ambient temperature: 0 to 55 °C
- Storage temperature: -20 to 80 °C
- Humidity: 5 to 95% noncondensing
- Shock: 15 G peak-to-peak, 11ms duration, non-operation
- Vibration
 - Non-operation: 1.88 G_{RMS}, 5-500 Hz
 - Operation: 0.5 G_{RMS}, 5-500 Hz

Certificate and Test

- CE, FCC Class A
- HALT (temperature and vibration stress)

Power Consumption

Configurations	+5 V	+3.3 V	+12 V	-12 V
Pentium-III 1.4 G	7 A	3.5 A	560 mA	10 mA
Celeron 600	4.2 A	3.5 A	560 mA	10 mA

OS Board Support

- Windows2000/XP/NT/9x, Linux, and VxWorks

Ordering Information

- PXI-3710F**
3U PXI system controller with Pentium III 1.26 GHz, 128 MB SDRAM, 20 GB HDD and slim-type FDD (4-slot version)
- PXI-3710**
3U PXI system controller with Pentium III 1.26 GHz, 128 MB SDRAM, 20 GB (3-slot version)
- PXI-R3710**
Rear I/O Transition Module for PXI-3710 and PXI-3710F, 50 mm

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