

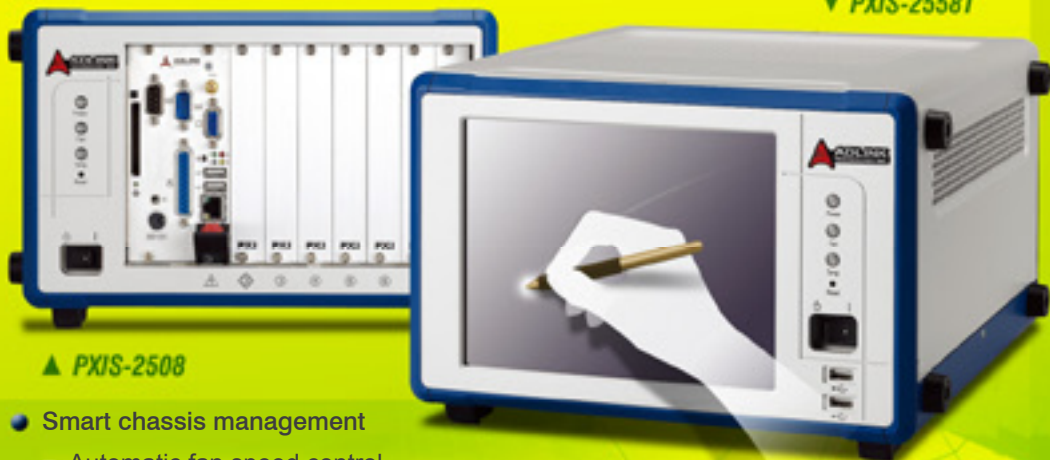
3U 8-Slot Smart PXI Chassis

Product Showcase

Vol. ST-1-2

Smart Quiet Reliable

A PXI Chassis Beyond Your Expectations



- Smart chassis management
 - Automatic fan speed control
 - Around-the-clock chassis status monitoring
 - Chassis status exporting via RS-232
 - Remote chassis power on/off control
- 8.4" Built-in LCD with touch panel function (PXIS-2558T only)
- 5.9 kg / 13 lbs lightweight aluminum-metal construction
- 0–55°C / 32–131°F extended operating temperature range
- 41.6 dBA silent operation



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Product Features

8.4" LCD Display (PXIS-2558T only)

- Touch panel
- Resolution of 800x600
- Ideal for bench-top and portable applications as a stand-alone system



Smart Chassis Management

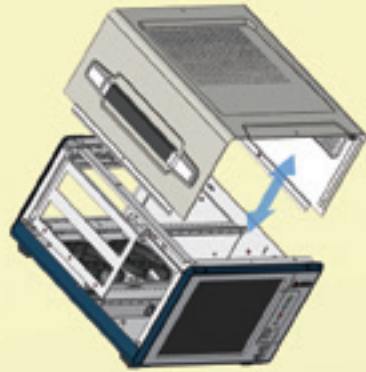
- Around-the-clock chassis status monitoring for chassis temperature, fan speed, and DC voltages
- Easy-to-use remote chassis management:
 - Export chassis status via a RS-232 port to a remote computer
 - Remote Management Utility for remote monitor and control
 - Remote power On/Off control by software command



Portable Yet Rugged Mechanism

- Lightweight
 - PXIS-2508: 5.9 kg / 13 lbs
 - PXIS-2558T: 6.4 kg / 14 lbs
- Aluminum internal structure with metal shell

5.9 kg
lightweight



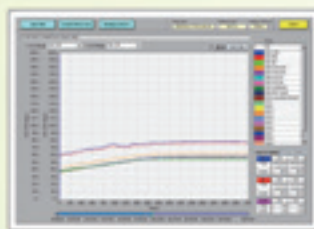
PXIS-2508/2558T 3U 8-Slot Smart PXI Chassis

- PXI Specification Rev. 2.2 compliant
- Equipped with one system slot and seven PXI/CompactPCI peripheral slots
- 350 W industrial-grade AC power supply



0–55°C / 32°–131°F Extended Operating Temperature Range

- Effective fan control for extended operating temperature range with
 - Direct bottom-up convection design with two 60 CFM fans
 - Embedded intelligent fan control board
- Optimized fan operation with excellent silence performance at 41.6 dBA at room temperature



General PXI Feature	PXI specification Rev. 2.2 compliant					
Power Supply	AC Input					
	Input voltage range	100 to 240 V _{AC}				
	Input voltage frequency	50 to 60 Hz				
	Input current rating	8 A/115 V _{AC} or 4 A/230 V _{AC}				
	DC Output					
	Total DC power output	350 W				
		V _{DC}	Minimum	Maximum	Load Regulation	Maximum Ripple & Noise
	+5 V	3.0 A	35.0 A	±5 %	50 mV	
	+12 V	2.0 A	18.0 A	±5 %	120 mV	
	+3.3 V	1.0 A	20.0 A	±5 %	50 mV	
	-12 V	0.1 A	2.0 A	±10 %	150 mV	
	The combined output power of +5 V and +3.3 V shall not exceed 35 A.					
Integrated Devices (PXIS-2558T only)	Display	8.4" TFT LCD, 800x600 resolution				
	Input device	Built-in touch panel				
Cooling	Fans	2 x 60 CFM fans with filters				
	Per-slot cooling capacity	25 W (verified by 55°C chamber test)				
Acoustic Emissions	Sound Pressure Level (dBA)		Minimal fan speed	▶ 41.6 dB		
			Maximal fan speed	▶ 47.3 dB		
	[measured at operator position, tested in accordance with ISO 7779:1999/Amd.1:2003(E)]					
	Sound Power (dBA)		Minimal fan speed	▶ 51.9 dB		
		Maximal fan speed	▶ 55.5 dB			
[tested in accordance with ISO 7779:1999/Amd.1:2003(E)]						
Physical	Number of PXI slots	8 (1 system slot, 7 peripheral slots)				
	Dimensions	280 mm x 177 mm x 303 mm (W x H x D)				
	Weight	PXIS-2508	▶ 5.9 kg (13 lbs)			
		PXIS-2558T	▶ 6.4 kg (14 lbs)			
Operating Environment	Ambient temperature	0°C to 55°C				
	Relative humidity	10 % to 90 %, non-condensing				
Storage Environment	Ambient temperature		PXIS-2508	▶ -20°C to 70°C		
			PXIS-2558T	▶ 0°C to 70°C		
Relative humidity		10 % to 90 %, non-condensing				
Shock and Vibration	Functional shock		30 G, half-sine, 11 ms pulse duration			
	Random vibration					
	Operating	5 to 500 Hz, 0.5 GRMS, 3 axes				
	Non-operating	5 to 500 Hz, 2.46 GRMS, 3 axes				
Certification	Safety		IEC 61010-1/EN 61010-1			
	Electromagnetic compatibility		Emissions	▶ EN 55011 Class A		
		Immunity	▶ EN 61326-1			
CE Compliance	The PXIS-2508 and PXIS-2558T meet the essential requirements of applicable European Directives.					
Ordering Information	PXIS-2508	3U 8-Slot Smart PXI Chassis with 350 W AC Power Supply				
	PXIS-2558T	3U 8-Slot Smart PXI Chassis with 8.4" LCD Touch Panel				
Recommended 3U PXI System Controller	PXI-3800	PXI system controller with Intel® Pentium® M 1.6 GHz CPU, 512 MB DDR RAM, 40 GB HDD				
	PXI-3800/CM13	PXI system controller with Intel® Celeron® M 1.3 GHz CPU, 512 MB DDR RAM, 40 GB HDD				
	PXI-3800/PM18	PXI system controller with Intel® Pentium® M 1.8 GHz CPU, 512 MB DDR RAM, 40 GB HDD				
	PXI-3800/PM18+	PXI system controller with Intel® Pentium® M 1.8 GHz CPU, 2 GB DDR RAM, 80 GB HDD				

ADLINK PXI Product Showcase



ADLINK offers wide range of PXI Chassis, Controllers and Modules, including:

- PXI Chassis: 3U & 6U, 6-slot to 18-slot, bench-top, portable, and rack-mount
- PXI Controllers: 3U & 6U, up to 1.8 GHz CPU, up to 80 GB HDD, up to 2 GB DDR RAM, VGA, USB, RS-232, Ethernet, CF, COM and more
- PXI Modules: multi-function DAQ, AO, DIO, digitizers, GPIB interface, switches, timers/counters, and PCI Express®/PCI/PXI extensions
- With full driver support for Windows Vista™, Linux, LabVIEW™, MATLAB®, .NET, C/C++ & VB



PXI-3800 3U PXI Intel® Pentium® M System Controller

- Pentium® M processor, FSB 400 MHz, CPU up to 1.8 GHz
- Two 200-pin DDR SO-DIMM sockets, up to 2 GB RAM
- Two CF Interfaces for HDD and FDD replacement
- Built-in two USB 2.0 ports, two serial ports and one parallel port
- VGA output on the front panel supporting 2048 x 1536 resolution
- One 10/100/1000 Mb Ethernet port



PXI-3488 High-Performance GPIB Interface Module for PXI/CompactPCI Bus

- Fully compatible with the IEEE 488 standard
- Up to 1.5 MB/s data transfer rate
- Onboard 1 KB FIFO for read/write operations
- Provides driver APIs compatible with NI-488.2*

* NI-488.2 is a trademark and the property of National Instruments Corporation.



PXI-9820 2-CH 65 MS/s 14-Bit Digitizer with SDRAM

- Up to 60 MS/s sampling rate per channel with internal timebase
- Up to 130 MS/s sampling rate in "ping pong" mode
- 2-CH single-ended bipolar inputs
- >30 MHz -3 dB bandwidth
- Up to 512 MB onboard SODIMM SDRAM



PXI-2000 Series High-Performance Multi-Functional DAQ Modules

- PXI-2000 Series: 12-/16-bit resolution with simultaneous-sampling rates of up to 2 MS/s
- PXI-2200 Series: 64-CH multi-function cards with sampling rates of up to 3 MS/s
- PXI-2208: 96-CH analog input card with 3 MS/s sampling rate
- PXI-2500 Series: 12-bit, 4-/8-CH multi-function analog output cards with hardware arbitrary waveform generator



PXI-7900 Series PXI Switch Modules

- PXI-7901: 16-CH general-purpose SPDT relay module
- PXI-7921: 24-CH 2-wire multiplexer module
- PXI-7931: 4x8 2-wire matrix module



cPCI-7300 80 MB/s High-Speed 32-CH Digital I/O Module

- 32-CH 5 V/TTL digital inputs/outputs
- Up to 80 MB/s transfer rate
- 8, 16, or 32-bit transfers
- 4 auxiliary DI and 4 auxiliary DO
- Onboard 64 kB FIFO



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