


OpenATE PA64S

* Interface	3U PXI (V)	USB (-)	<p style="text-align: center;">3U PXI</p> 
* 64 digital channels			
* -0.5V ~ +3.5V VIH VIL per channel; VOH VOL per two channels			
* 64 PMU per board			
* 16 x 100MHz 32bit TMU			
* 16 x I2C/SPI data engine			
* 16 x external trigger start for I2C			
* 16 x CLK Generators			
* API & Pattern Editor			
<p>Description</p> <p>The PA64S represents a new level of performance and capabilities for PXI-based digital instrumentation. The PA64S offers high performance pin electronics and 16 sites of TMU/SPI/I2C/CLK generator in a compact, 3U PXI form factor. Each card can function as a stand-alone digital subsystem or if required, multiple cards can be integrated, supporting up to 256 sites (16 boards).</p>			<p>Compatibility</p> <p>All OpenATE Interfaces PXI cards comply with the PXI Specification 2.0 (issued Aug. 2000)</p>
<p>Software</p> <p>The PA64S is supplied with API in 32bit or 64bit Windows system.</p>			<p>Application</p> <ul style="list-style-type: none"> • Open / Short Testing • Sensor Device Testing

OpenATE PA64S

Specifications

• Pin Electronics	
I/O Channels	64, per board resource
Input Level (Vih/ Vil)	-0.5V ~ +3.5V per channel
Output Level (Voh/Vol)	-0.5V ~ +3.5V per two channels
Output Impedance	50 Ohm
• I2C	
Sites	16
Clk resolution	100nS
Clk range	50KHz ~1MHz
Start trigger	Software, PXI trigger
I/O data size	256 bytes
• SPI	
Sites	16
Clk resolution	40nS
Clk range	100KHz ~5MHz
Start trigger	Software, PXI trigger, external trigger(per site)
I/O data size	1K bytes
• TMU	
Sites	16
Function	Counter mode, Difference time measurement mode
Counter resolution	10nS
Counter range	32bits
• CLK Generator	
Sites	16
Clk resolution	10nS
Clk range	50KHz ~40MHz
• PMU	
Number of PMU	64
PMU Accuracy	I: 1.0%FS V: 30mV
Number of IRange x 3	I2: ±400uA
	I3: ±4mA,
	I4: ±40mA
Number of VRange x 1	E1: -1V ~ +4V
• Trigger	PXI_TRIG Bus : 8

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• Physical Properties	
Bus Interface	PXI
Dimensions	3U
Power Requirements	3.3V@3A, 5V@3A 12V@1A
System Clock	100MHz
Bus & Signals	8 PXI Trigger bus lines for parallel test
• Environmental	
Operating Temperature	0 ~ 50°C
Storage Temperature	-20°C ~ 70°C
• Software	PXI : API & Pattern Editor
• Maximum boards in one system	16
• PXI Compliance	All OpenATE Interfaces PXI cards comply with the PXI Specification 2.0 (issued Aug, 2000)

OpenATE Inc.

The Open Solution for IC Tester

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