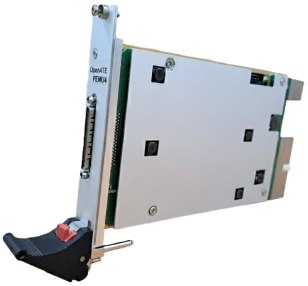
OpenATE PEMU4

High Performance SMU

* Interface	3U PXI (V)	USB (V)

* 4 SMU up to 500mA/ -1.0V~+6.5V output/
* 4 SMU up to 50mA/ -2.0V~+7.5V output/
* 8 DUT relay driver
* 20MHz data rate
* I2C Master to 400KHz CLK
* SPI Master to 1MHz CLK
* 4 32 bit / 10ns counter / TMU
* API

3U PXI



USB

Description

The PEMU4 represents a new level of performance and capabilities for PXI/USB SMU (Source Measurement Unit) instrumentation. The PEMU4 supports -1V to +6.5V 0.5A with FVMI, FVMV, FIMV, FIMI modes. 4 channel can be ganged to support high current driving.

Compatibility

All OpenATE Interfaces PXI cards comply with the PXI Specification 2.0 (issued Aug. 2000)
All OpenATE Interfaces USB case comply with the Universal Serial Bus Specification 2.0

Software

The PEMU4 is supported operating system on Windows XP / 7 / 8 / 10 x64 / x86; supplied with API.

Application

- Automatic Test Equipment (ATE)
- Power supply for electronics device
- Semiconductor test
- LED / laser diode test
- Power electronics test
- Sensor test
- Electric vehicle test

OpenATE Inc.

The Open Solution for IC Tester

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OpenATE PEMU4

Specifications

● SMU		
Number of SMU		4
Accuracy	FI	0.25%+20nA
	MI	0.5%+50nA
	FV	0.1%+10mV
	MV	0.1%+10mV
Number of IRange x 6		IR1: ±5uA
		R2: ±50uA
		IR3: ±500uA
		IR4: +5mA
		IR5: +50mA
		IR6: +500mA
Number of VRange x 1		VR1:-1.0V ~ +6.5V
● Physical Properties		
Dimensions		3U
Power Requirements	PXI	3.3V@8A, 5V@5A 12V@1.0A
	USB	AC100V ~ AC220V
● Environmental		
Operating Temperature		0 ~ 50℃
Storage Temperature		-20℃ ~ 70℃
● Maximum boards in one system		8
● PXI Compliance		All OpenATE Interfaces PXI cards comply with the PXI Specification 2.0 (issued Aug, 2000)

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