OpenATE PEMU4

* Interface		USB (V)
* 4 input / output channels, dynamically configurable		
* 20 MHz data rate		
* -1V ~ +7V VOH VOL VIH VIL per channel		
* 16K of on-board vector memory per channel		
* 16K of on-board capture/log memory		
* 4 SMU up to 500mA/ -1.0 ~ +6.5V output /		
* 4 SMU up to 50mA/ -2.0 ~ +7.5V output /		
* 8 DUT relay driver		
* 4 PMU per board		
* 16-bit high resolution A/D converter		
* I2C Master to 400KHz		
* SPI Master to 12.5MHz		
* RFFE Master to 26MHz		
* Counter for Frequency Measurement x4		
* 4 CLK generators per board		
* Win10 API		

USB

Description
The PEMU4 represents a new level of performance and capabilities for USB-based 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. I2C/SPI/RFFE function for serial port device testing. 4 Counter for frequency measurement. .

Compatibility
All OpenATE Interfaces USB case comply with the Universal Serial Bus Specification 2.0

Software
The PEMU4 is supplied with API on Windows 10

Application
- Power supply for electronics device
- Semiconductor test
- LED / laser diode test
- Power electronics test
- Sensor test
- I2C/SPI/RFFE salve Device Testing

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Specifications

● SMU		
Number of SMU		4
Accuracy	FI	0.25%+20nA
	MI	0.25%+20nA
	FV	0.1%+10mV
	MA	0.1%+10mV
Number of IRange x 6		IR1: ±5uA
		IR2: ±50uA
		IR3: ±500uA
		IR4: +5mA
		IR5: +50mA
		IR6: +500mA
Number of VRange x 1		VR1:-1V ~ +6.5V
● Physical Properties		
Dimensions		23 * 16.9 * 6 cm (L * W * H)
Bus & Signals		4 Trigger bus lines for parallel test
● Environmental		
Operating Temperature		0 ~ 50℃
Storage Temperature		-20℃ ~ 70℃
● Maximum boards in one system		1

OpenATE Inc.

The Open Solution for IC Tester