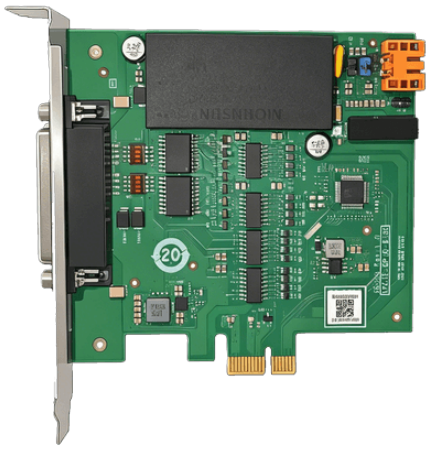
IPCIE-GPIO-8I8O

16-CH Isolated Digital I/O PCI Express® x1 Card



Features

» PCI Express® x1 lane interface.

» 8-channel isolated digital inputs and 8-channel isolated digital outputs.

» Supports 5 V, 12 V, and 24 V external output power supplies.

» 2500 VRMS optical isolation.

» Source current up to 40 mA on a single isolated output.

Specifications

Form Factor	
Form Factor	PCI Express® x1
System	
Chipset	Fintek F81508 (PCI Express Bridge to GPIO)
Physical Characteristics	
Dimensions (LxWxH) (mm)	100 x 101 mm
Net Weight	0.11kg
I/O Interface	
I/O Interface	GPIO : 1 x DB44 (via cable to 2 x DB9, for isolated digital I/O)
	Input channels: 8
	Input voltage range: 0-24 VDC
	Input high level: 2-24V
	Input low level: 0-1.5V
	Input type: single-ended, positive logic, polarity-sensitive
	Isolation voltage: 2500 Vrms
	Output channels: 8
	Output voltage: 5 / 12 / 24 VDC (24V only external power supply)
	Output type: high-side sourcing transistor
	Isolation voltage: 2500 Vrms
	Source current: up to 40 mA per channel @ 100% duty
	Max. total current: 10 mA per channel at 24 V when all 8 channels are ON (80 mA total) @ 100% duty
Environment	
Operating Temperature	0°C to 60°C
Storage Temperature	-20°C to 80°C
Humidity	5% ~95%, non-condensing
Certifications	
Safety & EMC	CE/FCC compliant

Ordering Information

IPCIE-GPIO-8I8O-R10	PCIe x1 card supports 8-input & 8-output GPIO, w/ isolation, 5/12/24V,RoHs

Packing List

1 x IPCIE-GPIO-8I8O card	1 x DB44 to 2 x DB9 cable
1 x QIG	