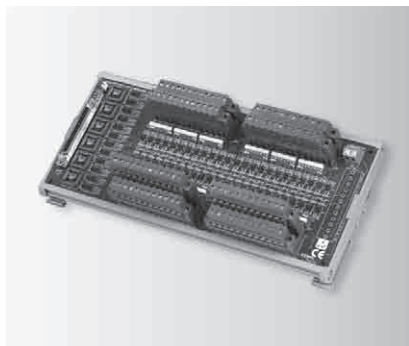# PCLD-8751
PCLD-8761
PCLD-8762

48-ch Opto-Isolated Digital Input Board
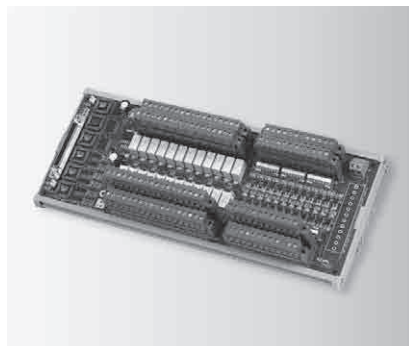
24-ch Opto-Isolated DI and 24-ch Relay Output Board

48-ch Relay Output Board

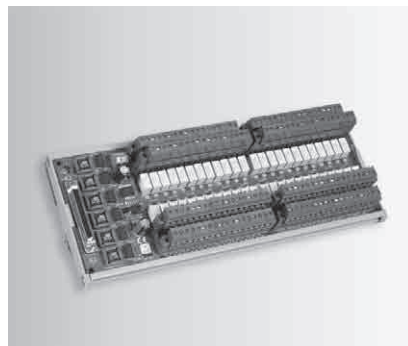PCLD-8751 $C\epsilon$ FCC

PCLD-8761 $C\epsilon$ FCC

PCLD-8762 $C\epsilon$ FCC

Features

- 48 optically-isolated digital input channels
- Built-in plug-in screw terminals for easier wiring
- LEDs indicate input logic status
- Input buffered with voltage comparators
- Wet/Dry contact set by DIP switches
- Input logic set by jumper
- Wide input range from 5 to 30 V

Specifications

Digital Input

- **Channels**	48 isolated digital inputs
- **Contact Mode**	Wet contact Dry contact (set by switch)
- **Isolation Voltage**	3,500 V
- **Logic Modes**	Positive Logic Negative Logic (set by jumper)
- **Signal Voltage**	0 ~ 30 V VIH (MIN) : 4 V, VIL (MAX) : 1 V

General

- **Certification**	CE, FCC
- **Connectors**	Cable: SCSI-68 pin Signals: Plug-in screw terminals (#14 - 24 AWG)
- **Dimensions**	255 x 121 mm (10.04" x 4.76")
- **LED Indicators**	One for each channel to indicate logic status
- **Mounting**	DIN-rail

Ordering Information

- **PCLD-8751**	48-ch Opto-isolated Digital Input Board

Features

- Built-in plug-in screw terminals for easier wiring
- LED status indicators for D/I and relay output
- Digital inputs buffered with voltage comparators
- Wet/Dry contact set by DIP switches for D/I
- Wide input range from 5 to 30 V
- INT/EXT Power selection by jumper

Specifications

Digital Input

- **Channels**	24 IDI with LED
- **Contact Mode**	Wet contact and dry contact for each IDI (set by switch)
- **Digital Input**	0 ~ 30 V VIH (MIN) : 4 V, VIL (MAX) : 1V
- **Isolation Voltage**	3,500 V (Isolated DI), 1,500V (Relay)
- **Logic Mode** **(IDI and Relay are** **independent)**	Positive Logic Negative Logic (set by jumper)

Relay Output

- **Channels**	24 SPDT (Form C)
- **Contact Rating**	30 V_{DC} @ 1 A, 120 V_{AC} @ 0.5 A
- **Contact Resistance**	100 mΩ
- **Electrical Endurance**	5 x 10^7 times at 12 V/10 mA
- **Mechanical** **Endurance**	10^8 times
- **Operation Time**	5 ms Max
- **Release Time**	6 ms Max

General

- **Certification**	CE, FCC
- **Connectors**	Cable: SCSI-68 pin Signals: Plug-in screw terminals (#14 - 24 AWG)
- **Dimensions**	285 x 121 mm (11.22" x 4.76")
- **Mounting**	DIN-rail
- **Power Consumption**	+5 V @ < 380 mA +50*n (mA) +12 V @ < 240 mA +70*n (mA) (*n indicate the number of relays)
- **Power Selection**	PCI Bus or External power (7 ~ 30 V) by jumper

Ordering Information

- **PCLD-8761**	24-ch Opto-isolated DI and 24-ch Relay (SPDT) Output Board

Features

- Built-in plug-in screw terminals for easier wiring
- LED status indicators for Relay output
- DIN-rail mounting
- Onboard relay driver circuits

Specifications

Relay Output

- **Channels**	48 SPDT (Form C)
- **Contact Rating**	30 V_{DC} @ 1 A, 120 V_{AC} @ 0.5 A
- **Contact Resistance**	100 mΩ
- **Electrical Endurance**	5 x 10^7 times at 12 V/10 mA
- **Mechanical** **Endurance**	10^8 times
- **Operation Time**	5 ms Max
- **Release Time**	6 ms Max

General

- **Certification**	CE, FCC
- **Connectors**	Cable: SCSI-68 pin Signals: Plug-in screw terminals (#14 - 24 AWG)
- **Dimensions**	285 x 117 mm (11.22" x 4.61")
- **Mounting**	DIN-rail
- **Power Input**	Unregulated 7 ~ 30 V_{DC}
- **Power Consumption**	7 V @ 1.8 A, 30 V @ 0.45 A (External power supply is required)

Ordering Information

- **PCLD-8762**	48-ch Relay (SPDT) Output Board

ADVANTECH Signal Conditioning Modules and Terminal Boards

All product specifications are subject to change without notice

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