

# PTD-10

## Rack mount time distributors



### » Overview

PTD-10 Time Distributor can provide more output ports for time synchronization system. It support two input signals as redundancy time source and verify input signal to dispatch precise time signal via output port to more IEDs and implement time synchronization. The cable delay compensation can be set to maintain time output accuracy.

### » Key Features

Maximum 2 inputs as redundancy time source for Best Time Source selection.

Maximum 16 output ports can connect more IEDs

Support BNC, Terminal, Optical interface

Support IRIG-B signal with B000, B001, B002, B003, B004, B005, B006 and B007

Cable delay compensation can be set by manual

Alarm contact indicate device status

LCD time display

### » Product Specifications

#### >Functions

#### -Redundancy Time Source

Solve time redundancy input and install it before IED to verify input signal and select the best one as time source

**-Physical Media Converter**

Provide TTL and Fiber Optical interface converter.

**-Port Capacity Expansion**

Provide a flexible solution to expand more ports to connect more IEDs.

**-Long Distance Transmission**

Support to be installed the middle of time server and IED to provide long distance signal transmission.

**-Time Input**

Support maximum 2 input ports

BNC Interface, optional optical fiber MM interface

**-Time Output**

Support maximum 16 output ports

Terminal Interface, optional optical fiber MM interface

**>Product Specifications**

**-Input Interface**

TTL: 5VDC, 50Ω, BNC connector

Optical (Optional): Multi-mode, 850nm, ST connector

**-Output Interface**

TTL: Terminal connector

Optical (Optional): Multi-mode, 850nm, ST connector

**-Display Operation Interface**

LCD: 2\*24 Characters, show status and make configuration

Key: 4 keys to indicate Up, Down, Enter, Esc

**-LED**

Power status: PSW

Alarm status: ALARM

Time input #1: S1

Time input #2: S2

Running status: RUN

**-Alarm Interface**

Relay: NC and NO relay alarm contact, 3-pin 5.08mm-spacing plug-in terminal block, 250 VAC Max, 3 A Max

**-Maintenance Interface**

Console: RS232, RJ45, one port

**-Power Requirements**

Power input:

110-220VAC/DC(85-264VAC/85-300VDC) , 47-63Hz

24VDC(18-36VDC)

48VDC(36-60VDC)

Power terminal: 3-pin 7.62 mm-spacing plug-in terminal block

Power Consumption: <18W

**-Physical Characteristics**

Housing: Metal

Cooling: Natural cooling, fanless

Dimensions(WxHxD): 482.6mm×44.2mm×229mm (19×1.74×9.02 in.)

Weight: <3Kg (6.61pound)

**-Environmental limits**

Operating temperature: -20°C to +70°C (-4°F to 158°F)

Storage temperature: -30°C to +80°C (-22°F to 176°F)

Ambient Relative Humidity: 5% to 95% (non-condensing)

**-Quality assurance**

Warranty: 5 years

**-Approvals**

**>Product Performance**

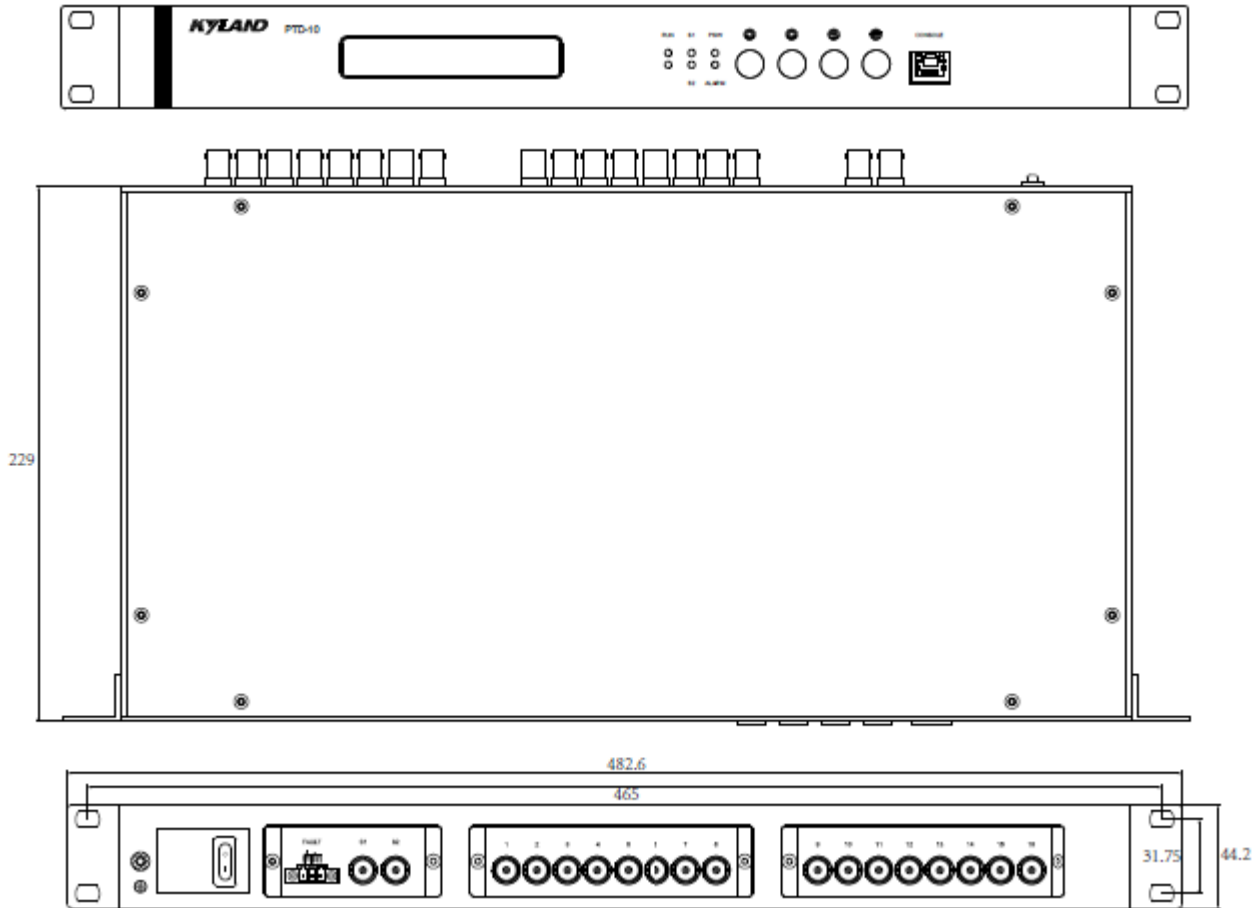
**-Time Accuracy**

±50ns (Input to Output)

-IRIG-B Demodulated Signal

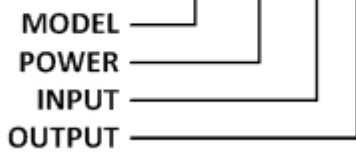
B000,B001,B002,B003,B004,B005,B006,B007

### » Mechanical Drawing



### » Ordering Information

## PTD-10-M-C-DD



MODEL	
FT208S	Fiber/TTL, 2 Inputs, 8 Outputs, Management
FT216S	Fiber/TTL, 2 Inputs, 16 Outputs, Management

<b>POWER</b>	
3	48VDC Single
5	24VDC Single
7	110-220VAC/DC Single
<b>INPUT</b>	
1	TTL BNC
2	Optical ST, MM 850nm
<b>OUTPUT</b>	
1	TTL Terminal
2	Optical ST, MM 850nm

	<b>Order Information</b>	<b>Description</b>
<b>PO (DEMO)</b>	PTD-10-FT216S-7-11	110-220VAC/DC Single 2 TTL BNC input ports 16 TTL Terminal output ports Management

Version:2022-11-23 11:09:40