

PTS-DR200L

DIN-Rail high-precision time servers



» Overview

PTS-DR200L is a DIN-Rail multifunction time server can provides nanosecond accuracy time service for any industry fields. It supports GPS (Global Positioning Service), BDS (Chinese Satellite System), and GLONASS (Russian Satellite System) as sky time sources and PTP (Precision Timing Protocol), IRIG-B as ground time sources. Based on the multiple time source input PTS-10AL has multi-time source selection logical and Sky-Grounding time backup function inside. PTS-DR200L time server supports PTP(Precision Timing Protocol) , supports NTP/PPS/IRIG-B/Serial TOD etc. time synchronization signal output as time synchronization purpose.

PTS-DR200L time server supports WEB/SNMP remote system management and configuration mode.

» Key Features

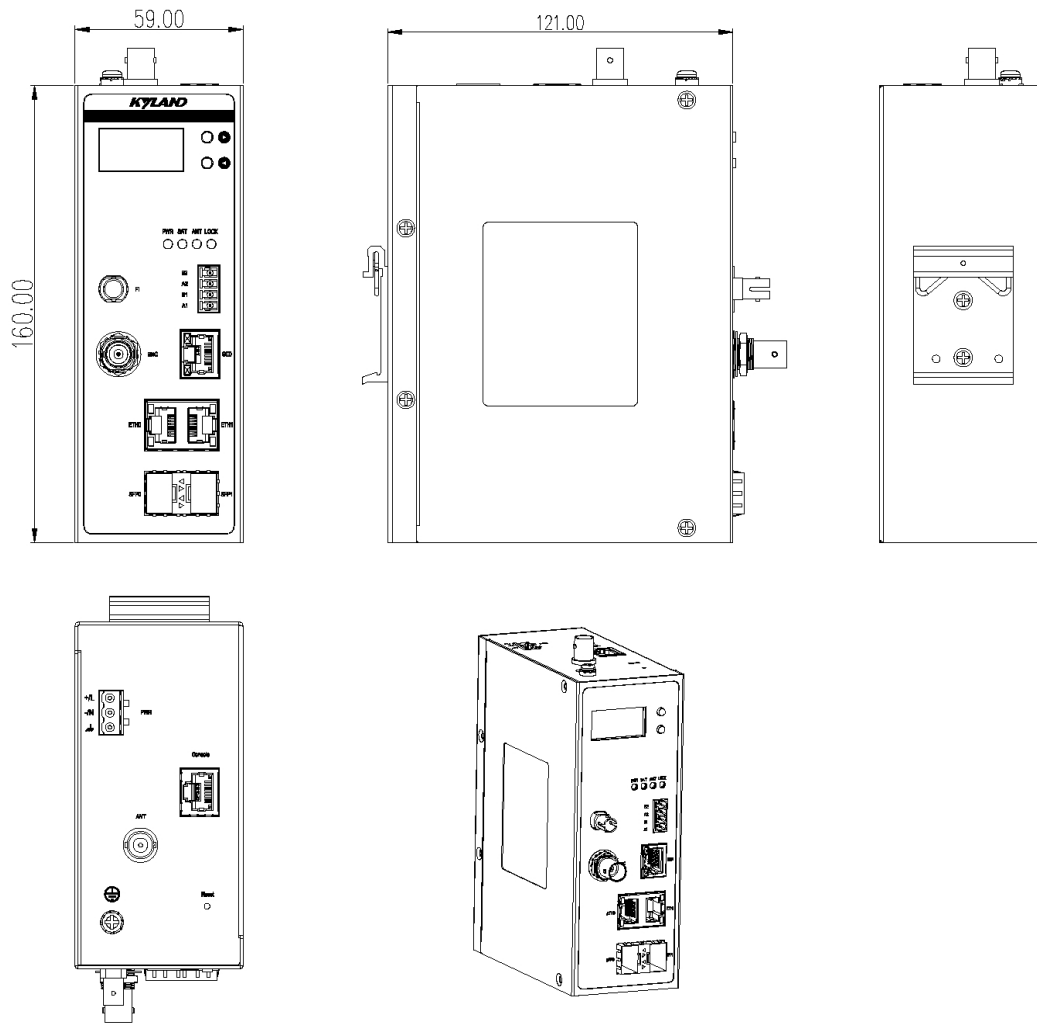
- Support BNC/IRIG-B signal output interface
- Support serial TOD signal output interface
- Support WEB、SNMP management
- Support LCD screen display
- Support PTP/NTP/SNTP

» Product Specifications

Product Specifications	Time input Source interface	Type1 : Satellite Signal Interface 1 BNC interface Type2 : Ground Signal Interface1 1 Flinterface : IRIG-B input interface Type3 : Ground Signal Interface2 3 RJ45 ports/2 SFP ports:PTP input interface
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Product Specifications	Holdover Accuracy	TCXO
	Network Interface	1*10/100/1000M RJ45 ports , 2*10/100M RJ45 ports , 2*10/100M SFP ports
	Output Interface	1*BNC port : IRIG-B , PPS/PPM/PPH signal output 2*serial RS485 ports : TOD , IRIG-B , PPS/PPM/PPH signal output 3*RJ45 ports/2*SFP ports : NTP , PTP
	Time Accuracy	NTP(RJ45/SFP) : 50μs IRIG-B(TTL/Serial) : 100ns TOD(Serial) : 150ns PTP(RJ45/SFP) : 120ns Pulse signal(TTL) : 120ns Quantity of requests:>5000 times/sec
	LED	ANT LED : ANT Satellite status : SAT Power LED : PWR Satellite LOCK status : LOCK
	Interface LED	Link/ACT, Speed
	Key	Left arrow: cursor moves left/pages forward Right arrow: cursor moves right/pages backward
	Power Supply	Power Input HV : 220VAC(85-264VAC/77-300VDC) L2 : 36VDC(18-72VDC) Power Consumption 12W Power Terminal 5.08mm-spacing plug-in terminal block Power alarm Support power status alarm Status alarm Support statelite lock status alarm
	Physical Characteristics	Dimensions 59mmx160mmx121mm (WxHxD)Mounting DIN-Rail Housing Metal Protection Class IP30 Cooling Natural cooling, fanless
	Environmental Limits	Operating temperature -40~70°C Storage temperature -40~85°C Ambient Relative Humidity 5~95% (non-condensing)
Quality	5 years	
Industry Standard	EMI : FCCCFR47Part15, EN55022/CISPR22,ClassA EMS : IEC61000-4-2(ESD)±8kV(contact),±15kV(air) IEC61000-4-3(RS)10V/m(80MHz~2GHz) IEC61000-4-4(EFT)PowerPort:±4kV;DataPort:±2kV IEC61000-4-5(Surge)PowerPort:±2kV/DM,±4kV/CM;Data Port:±2kV IEC61000-4-6(CS)10V(150kHz~80MHz) Climatic environmental: EN61000-6-4:2019,EN55032:2015/A11:2020ClassA IEC60068-2-1: Cold ; IEC60068-2-2: Dryheat IEC60068-2-30: Dampheat Machinery: IEC60068-2-6 IEC60068-2-27	

» Mechanical Drawing



» Ordering Information

order information

Model	Power	OSCILLATOR	PTP	SATELLITE	1*10/100/1000M RJ45 port 2*10/100M RJ45 port 2*10/100M SFP port	1*BNC 2*RS485	Fiber Input
PTS-DR200L-1111-HV	Signal 220VAC (85-264VAC/ 77-300VDC)	TCXO	Support	GPS/BDS/ GLONASS Signal Channel	Support	Support	Support
PTS-DR200L-1111-L2	Signal 36VDC (18-72VDC)	TCXO	Support	GPS/BDS/ GLONASS Signal Channel	Support	Support	Support

Accessory

Type	Description	Notes
GPS ANTENNA	PTS-ANT-GPS-30-BNC	GPS antenna(30m coaxial cable)
	PTS-ANT-GPS-50-BNC	GPS antenna(50m coaxial cable)
	PTS-ANT-GPS-100-BNC	GPS antenna(100m coaxial cable)
BDS ANTENNA	PTS-ANT-GPS-BDS-30-BNC	GPS/BDS antenna(30m coaxial cable)
	PTS-ANT-GPS-BDS-50-BNC	GPS/BDS antenna(50m coaxial cable)
	PTS-ANT-GPS-BDS-100-BNC	GPS/BDS antenna(100m coaxial cable)
GLONASS ANTENNA	PTS-ANT-GPS-GLN-30-BNC	GPS/GLN antenna(30m coaxial cable)
	PTS-ANT-GPS-GLN-50-BNC	GPS/GLN antenna(50m coaxial cable)
	PTS-ANT-GPS-GLN-100-BNC	GPS/GLN antenna(100m coaxial cable)
Dual-band ANTENNA	PTS-ANT-GPS-BDS-N	GPS/BDS(N Female Connector)
Tri-band ANTENNA	PTS-ANT-GPS-BDS-GLN-N	GPS/BDS/GLN(N Female Connector)
Antenna Coaxial Cable	PTS-ANT-CABLE-15	15m antenna coaxial cable
	PTS-ANT-CABLE-30	30m antenna coaxial cable
	PTS-ANT-CABLE-50	50m antenna coaxial cable
	PTS-ANT-CABLE-80	80m antenna coaxial cable
	PTS-ANT-CABLE-100	100m antenna coaxial cable
Signal Amplifier	PTS-ANT-AMPLIFIER	Antenna Amplifier
Lighting	PTS-ANT-LIGHTING	Lighting Arrester
	PTS-ANT-BNC-J/BNC-K-30cm	Lightning protection device feeder 30cm
Mount	PTS-ANT-MOUNT-BASE	Base Mount accessory for antenna
	PTS-ANT-MOUNT-HOOP	Hoop Mount accessory for antenna