CT7310
Outdoor PTP Grandmaster

Description

CT7310 is a outdoor server of IEEE 1588V2 (PTP) . The equipment has stable operation, small transmission error, simple installation, waterproof design, suitable for outdoor and other harsh environments, it has been widely used in related fields.

The CT7310 receives input from external GPS/BDS/Glonass/Galileo satellite signals .It provide up tp two PTP outputs .When the external reference source is lost, the device enters the hold-over mode , and the device can still export high-precision PTP signal.

Product View

CT7310

Key Features

- Waterproof shell design；
- Precise timing accuracy, NTP adopts hardware time stamp;
- Support multi-mode receiver (GPS, BDS, Glonass and Galileo)；
- For the two way inhibits PTP output, support bi-directional single core；
- Support PTP compatible management functions；
- Hold-over mode;
- Each PTP port support 500 PTP clients at 128PPS.

Network Protocols

- IEEE1588v2
- HTTPS
- IPv4/IPv6
- FTP / SFTP
- SYSLOG
- SSH/SCP

Security

- Configuration settings backup and restore;
- High level of security: HTTPS, SSHv2;
- Supervision possible via syslog;
- Field upgrades via SFTP;
- Support Radius and TACAS+.

Input

- 1 x satellite input(TNC);
- 1 x PTP input;

Output

- Up to 2 x PTP outputs.

Accuracy

Timing Accuracy:
- - 1PPS: ≤50ns(Locked with GNSS)
- - PTP: ≤50ns

Holdover Accuracy:
- - OCXO Version: ≤20us(24h)

GNSS Receiver Features

- GNSS satellites status
- Configurable SNR, Elevation
- User-configurable antenna cable delay compensation
- Voltage to antenna +3~5VDC

- Antenna connector SMA-F (50ohm)
- Multi -band, Multi-constellation 128-channel GNSS receiver
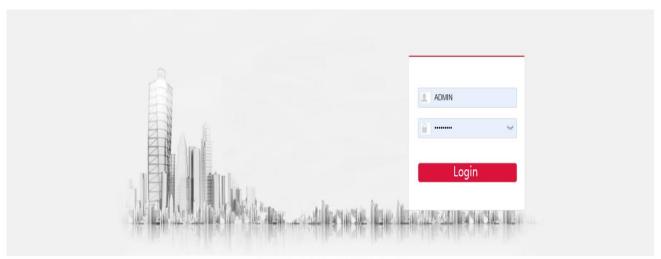- GNSS (L1C/A L2C), GNSSS (B1I, B2I) two concurrent GNSS constellations

Environmental

- Dimensions: 306×204×105mm
- Operating temperature (ambient): -40 ~ +70℃
- Storage temperature:-40~+70℃
- Humidity: 0 ~ 95% (without condensation)

Power Supply

- AC Power: 110~240V AC (47 ~ 63Hz)
- DC Power:-48V
- Power consumption: less than 13W

WEB System

The WEB system of CT7310 support:
- Device Overview: You can see all the basic information of connected devices;
- Device Function: You can configure all ports of connected devices;
- Alarm: You can view and manage all alarms of connected devices;
- Log: You can view and check logs of connected devices;
- Device Backup: You can reboot and backup firmware of connected devices.