

Key Features

- Standard 19-inch, 1U design;
- Multi-mode receiver (Glonass, GNSS, GNSSS and Galileo);
- Multiple types of time and frequency output;
- Dual power support, AC or DC.
- High performance OCXO configuration (Optional Rubidium);
- PTP supports 1000 clients (128 packages per second) per port.

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

- Up to 2 x GNSS/GNSS input (SMA)
- 1 x IRIG-B (DC) input
- 1 x IRIG-B (DC) input (fiber ST)
- 1 x 10Mhz input (SMA)
- 1 x 1PPS input (TNC)
- 1x PPS/TOD/IRIG-B (DC) input (DB9)

Output

- 1 x NTP output (RJ45)
- 2 x PTP output (SFP)
- 4 x 10Mhz output (SMA)
- 1 x IRIG-B (DC) output
- 1 x IRIG-B (DC) output (fiber ST)
- 1x PPS/TOD/IRIG-B (DC) output (DB9)

Accuracy

Timing Accuracy:

- - 1PPS: $\leq 50\text{ns}$ (Locked with GNSS)
- - PTP: $\leq 50\text{ns}$
- - NTP: $\leq 1.5\text{ms}$

Holdover Accuracy:

- - OCXO Version: $\leq 20\mu\text{s}$ (24h)
- - Rubidium Version: $\leq 500\text{ns}$ (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:
440×240×43.5mm(19 inch;1U)
- Operating temperature (ambient): -20 ~ +55°C
- Storage temperature:-40~+80°C
- Humidity: 0 ~ 95% (without condensation)

Power Supply

- AC Power: 110~240V AC (47 ~ 63Hz)
- DC Power:-48V
- Power consumption: less than 25W

WEB System



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The WEB system of CT7300 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.