



Features

- In unicast mode, a maximum of 128 slave clocks are supported
- Two PTP optical ports
- Multiple interface types, interface can be customized

Applications

- Communication network: mobile communication base station, bearer network equipment, etc
- Rail transit: subway, high-speed rail, light rail and other private network communication
- Power: operation scheduling, fault location, power communication network, etc
- Others: Public security, taxation, banking, hospitals, securities, postal services, airports, meteorology, autonomous driving, AR/VR, industrial automation, etc



Standard Specifications

Parameter	Timing Server HL4000
Type	Indoor type (Master clock & Frequency source)
Operating temperature (°C)	-40°C ~ 65°C
Power consumption (W)	20
1588v2& SyncE	support
GNSS(GPS/BDS/GLONASS/GALILEO)	support
Frequency accuracy (@24h)	$\pm 1.0E-12$ (Tracking satellite)
Synchronization time accuracy (ns)	± 20
Retention capacity (μs @24h)	± 1.5
Slave clock (PCS)	512
Retention capacity	$\pm 1.5\mu s/24$ hours ($\Delta T=\pm 10^{\circ}C$)
Dimensions (mm)	432*210*44

Other

- Indoor clock equipment, including master clock, frequency source, etc., can provide high-precision frequency and time reference for telecommunications networks, power grids and other applications.
- Support the GNSS , GPS/Beidou/GLONASS/Galileo
- Supports multiple reference sources such as IEEE1588v2, 1PPS, and frequency input
- The protocol supports IEEE1588v2, NTP, and SyncE
- Meets PRTC-B standards