

**SEIKO**

# Time Server

TS-2560 / TS-2220

*Keep Trust.*



## High Accurate Time Synchronization

- Accuracy :  $\pm 1 \mu s$  as referring GNSS
- High quality oscillators inside

## Improved Performance & Power Redundancy

- Processing capability  
TS-2560 : 10,000 packets/sec  
TS-2220 : 4,000 packets/sec
- AC Power Redundant Model (TS-2560 only)

## Various Time Source

- GPS, QZSS, GLONASS and Galileo are able to be used as time sources
- NTP input supported to work as secondary server (TS-2560 only)

## Easy Operation

- GUI is available for setup, management and administration
- Alert notification of status change by SNMP, Syslog and SMTP

SEIKO SOLUTIONS INC.

# Time Server TS-2560 / TS-2220

## Power Redundant High-End Model

### Time Server TS-2560



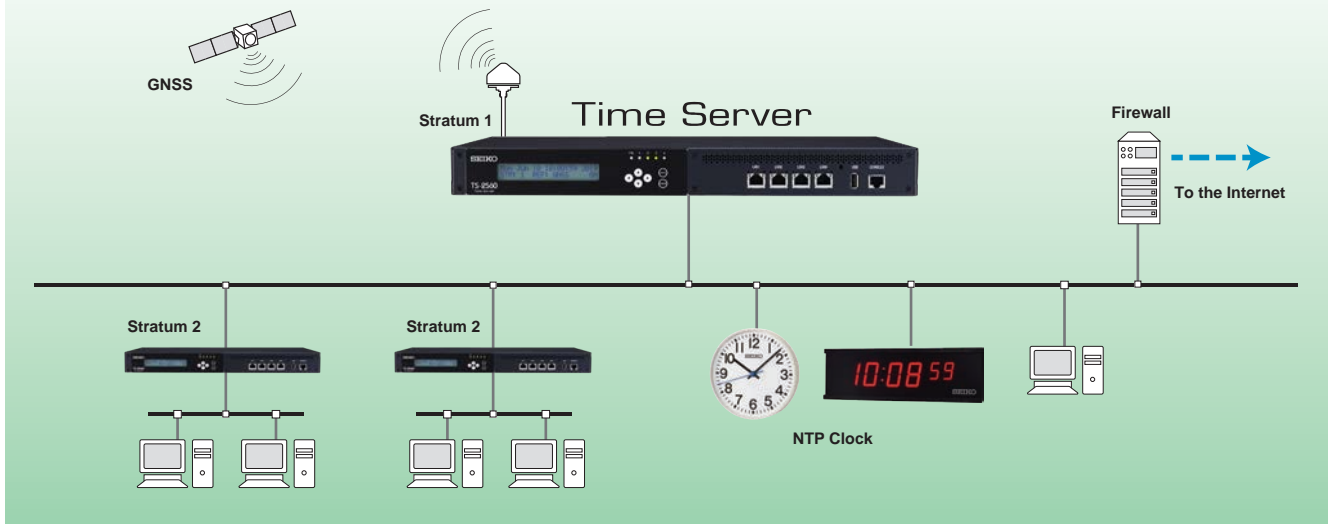
## Feature-Rich Standard Time Server

### Time Server TS-2220



## Master Clock System

Ensures that network time is accurate, consistent and secure



## Time Server Specifications

	TS-2560	TS-2220
Time Source	GPS, QZSS, GLONASS, Galileo	
GNSS jamming/spoofing protection	Yes	Yes
Oscillator Stability	+/- 10ms/day (+25°C)	+/- 100ms/day (+25°C)
Pulse Output	1PPS/10MHz	N/A
Processing Capability	10,000packets/sec	4,000 packets/sec
Ethernet ports	10BASE-T/100BASE-TX/ 1000BASE-T x 4	10BASE-T/100BASE-TX/ 1000BASE-T x1
Leap Second Adjustment	Automatic/Manual	
GPS Rollover Handling*	Yes	
TCP/IP, UDP/IP	Yes	
HTTP, HTTPS	Yes	HTTP:Yes, HTTPS:N/A
IPv6	Yes	
SNMP, syslog	Yes	
SMTP	Yes	N/A
Telnet, SSH	Yes	Telnet:Yes, SSH:N/A
NTPv3/v4, SNTPv3/v4	Yes	
TIME, DAYTIME	Yes	
MD5, Autokey	Yes	

\*The number of GPS weeks is automatically updated when you start up with its internal hold time or when you synchronize GPS, so Seiko's Time Server TS-2560/2220 can be used safely after the next rollover in 2032.

	TS-2560	TS-2220
Power Redundancy	Yes	N/A
Rated Voltage	AC100-240V +/-10%	
Rated Current (Max)	0.32A	0.12A
Power Consumption	18W	6W
Calorific Value	65kJ/h	22kJ/h
Operation Temperature	0-40°C	
Operation Humidity	20-80%RH (no condensation)	
Dimensions	425.5 (W) x 280 (D) x 44 (H) mm (Projections not included)	
Weight	Approx. 3.5 kg	Approx. 3.1 kg



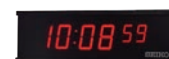
TS-210 (Antenna)  
TS-211 (Holder)

### GNSS Antenna (Bundled)

Operation Temperature	-40°C-85°C
External dimensions	φ66.5x47.5 (H) mm
Weight	approx. 150g (10m cable included)



SCN-300



SLN-576R

### NTP Clock (as optional product)

Displays time delivered from Time Server  
Digital and analog models are available  
See NTP Clock brochure for the whole line up

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