

# Network Time Assist System Time Server TS-2540

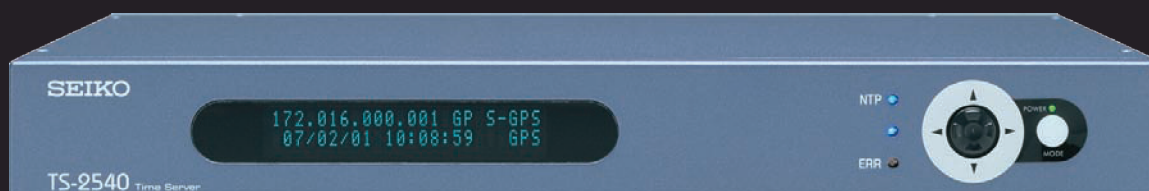
High functional capabilities standard time server

NTP standard protocol enables the linkage to multiple time servers.

Distributes the standard time with higher precision and eliminates various time-related problems in operations of various business systems.



## Slim Punctual



Introducing the superior model in the series.

Synchronized standard time of high precision that has now become essential to business systems operated on the network.

Time Server TS-2540 supports NTP protocol, ultra high precision clock and two Ethernet ports.

Including the adaptability to respond to IPv6, unprecedented user-friendliness is realized in a high performance compact form.

Time management of system operations is powerfully supported.



# SEIKO

## Highly precise time management is realized multilaterally with GPS. The accurate business system operation and the linkage between the systems is powerfully backed up.

User-friendliness and performance are dramatically improved with the introduction of NTP protocol and high precision clock. Distributes high precision standard time to various business systems operated on the network.



### Adopting GPS witch boasts of highly accurate time correction

Adopting GPS witch has the time correction accuracy of 1ms inherently, TS-2540 strongly supports the time management of business systems. Normally the positioning of 4 GPS satellites are required to get the precise time, but our prefix positioning mode allows the time acquisition with only one GPS satellite.

### Equipped with ultra-precision clock

Equipped with ultra-precise internal clock with the accuracy of max.10ms a day. Highly precise time control is realized on the network even if GPS is ineffective.

### Space saving compact body

High performance is realized in a compact body of size with the height of 1U. Takes up hardly any space.

### Adopts advanced protocol

NTPv3/v4 is adopted for time distribution protocol. The linkage with other time servers make it possible to maintain the time precision even in case of troubles. Furthermore, it is adaptable to IPv6.

### Extensive control functions

It is possible not only to implement various settings and operational status checking on the Web, but also to monitor and check the operational status with general monitor software, owing to SNMP support.

Main features of TS-2540	
Built-in clock accuracy	± 10ms / day
Body	Height 1U
Ethernet ports	10BASE-T / 100BASE-TX × 2
Time source	GPS
Time protocol	NTPv3 / v4
SNMP	Supported
IP protocol	IPv4 / IPv6

### TS-2540 SPECIFICATIONS

#### ■ Network

Protocol TCP/IP, UDP/IP, HTTP, SNMP, TIME, DAYTIME  
Media control IEEE802.3 10BASE-T or IEEE802.3u  
100BASE-TX 2 ports

#### ■ Time information

Protocol NTPv3, NTPv4,  
MD5 Certification,  
SNTPv3, SNTPv4  
Transmission mode Unicast, Multicast

#### ■ Clock section

Built-in quartz accuracy Maximum daily error ± 10ms  
(25°C)  
(used when GPS is ineffective)

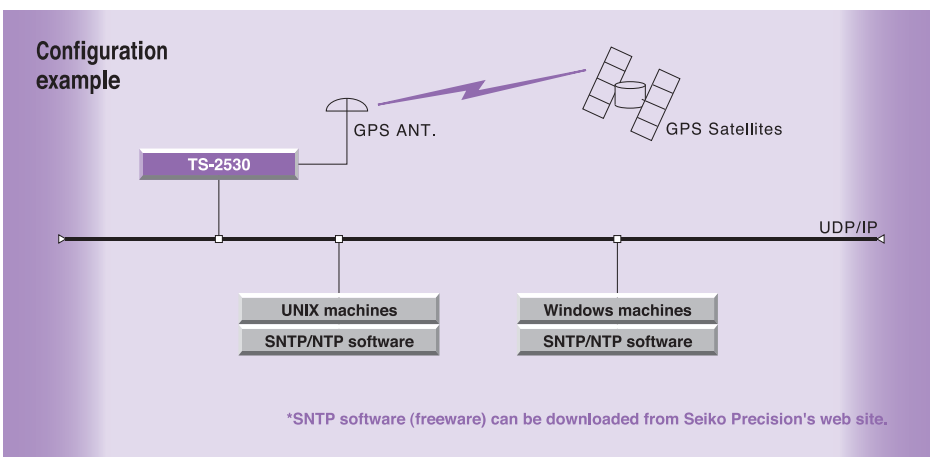
#### ■ Time correcting section

Time correction method GPS  
Correction accuracy ± 1ms (when GPS is effective)  
Adaptability to leap second Automatic  
Adaptability to summer Specifiable  
1pps-out BNC TTL Rising edge On-time 50 Ω

#### ■ General specifications

Rated voltage 100VAC to 240VAC  
Power consumption 15W  
Calorific value 54kJ/h  
Operating temperature 0 to 40°C  
Operating humidity 20 to 80 % RH (no condensation)  
Installation style Desktop, Rack mount  
Dimensions 364 (W) × 257 (D) × 44(H)  
(Projections not included)  
Weight Approx. 3.1kg  
VCCI VCCI-A compliant  
Certifications CE

Option	EIA Rack mount kit
Affix	Antenna (including 10m cable)



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For Latest Information, Access to URL: <http://www.seiko-p.co.jp/systems/>



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Scope of Registered Activity:  
Design, development, manufacture, and technical  
support of package software, firmware, and  
hardware associated with networks.  
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