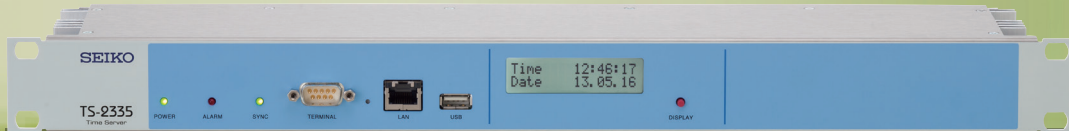


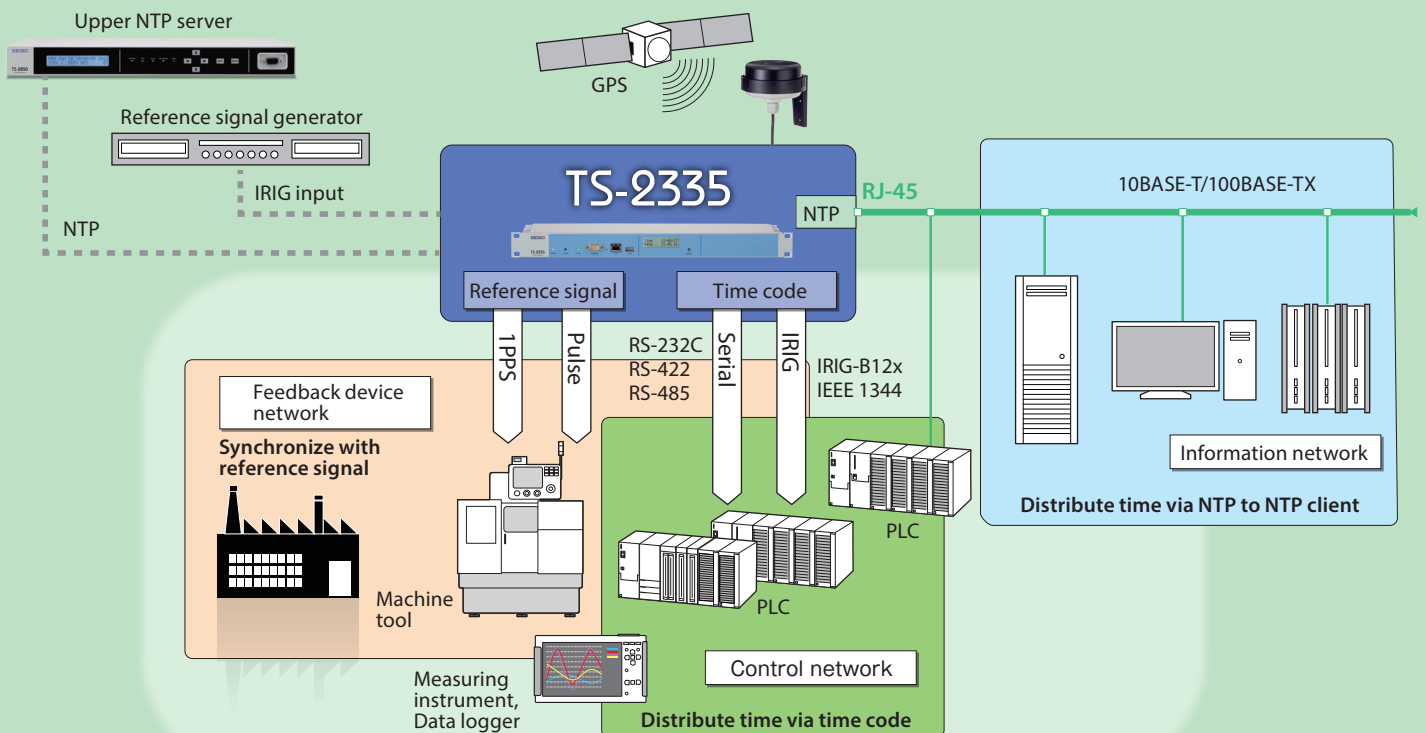
Multipurpose NTP Time Server

Time Server TS-2335



Synchronize the time for various systems with versatile time distribution outputs

Keeping the common time base for all equipment is essential to collaborate with various systems. Seiko Time Server TS-2335 is equipped with not only NTP (Network Time Protocol) output but also versatile time outputs and can synchronize the time for different kind of systems.



**TS-2335 obtains a highly accurate time from GPS receiver and distributes a reference signal based on it through versatile interfaces.
Hence time converters or reference signal generators are not necessary any more.**

Versatile output interfaces

Besides a time distribution via NTP output, TS-2335 is equipped with time code outputs (IRIG, serial interface) and reference signal outputs (pulse output and frequency output).

Redundant power

Completely redundant power supply with the combination of AC90-240 x DC 24V or DC24V x DC24V.

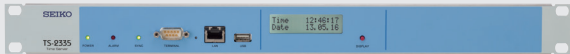
IRIG time code

TS-2335 can be either synchronized from a dedicated GPS receiver, from another NTP server or from IRIG time source.

Redundant NTP server operation

To avoid time deviation between two TS-2335, they can be linked via a fiber-optic connection by using optional two GBIC modules.

TS-2335



Specifications	TS-2335
Time source	GPS satellite
Accuracy	±1 ms
Built-in oscillator accuracy *1	±10 ms/ day (+25°C)
LAN Interface	10BASE-T/100BASE-TX x 1 (RJ-45)
NTP processing capability	1250 requests / sec
Time distribution protocol	NTP, SNTP, TIME, DAYTIME
NTP mode	Server, peer, broadcast, multicast
Network services	IPv4, IPv6, Telnet, SSH, SCP, FTP, SFTP, SNMP, SMTP
Time signal outputs	IRIG x 2 (BNC), Serial x 2 (RS-232C, RS-485) Pulse x 2 (Pulse/Frequency, RS-422), Alarm relay x 1

Specifications	TS-2335	
Rated voltage	AC90 ~ 240V (50Hz / 60Hz) ^{*2}	DC24V +20% / -10% x 2
Power consumption	Max. 10W	Max. 20W
Operation temperature	0 ~ 60°C	
Operation humidity	10 ~ 90% RH (no condensation)	
Installation style	19 inch rack mount	
Dimensions (without projections)	483 (W) x 125 (D) x 44 (H) mm	
Weight	Approx. 1.8kg	
Certificates	VCCI-A, RoHS, PSE	

*1 : Described accuracy is a factory default value and subject to change depending on the onment of use.
*2 : Appropriate AC power code to be separately prepared. for 240V application in Japan.:

Dedicated GPS signal receiver (GPS4500)

Specifications	GPS4500
Frequency	L1 C / A
Rated voltage	DC10 ~ 40V (24V supplied from TS-2335)
Power consumption	0.4W
Operation temperature	-30 ~ 70°C
Environmental protection class	IP65
Dimensions	Φ79 x 86 (H) mml
Weight	Approx. 200g
Cable length	10m



* Seiko Solutions offer one year warranty for this product.

* Specifications described in this catalogue are subject to change without notice.

* Company names, and product names are trade marks or registered trademarks of their respective companies.

SEIKO

SEIKO SOLUTIONS INC.

1-8 Nakase, Mihama-ku, Chiba-shi, Chiba 261-8507, Japan
E-mail : support@seiko-sol.co.jp
http://www.seiko-sol.co.jp/english/

