

To our customers

Seiko Solutions Inc.

Time Server Pro. (TS-2910/TS-2912/TS-2914) Release Note

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Version 6.1 (2025/3/31)

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1 New features

VLAN support has been added to the PTP Default Profile.

Specifying a vif interface in the “create ptpd” command enables PTP communication using VLAN tags with the VID assigned to the vif.

2 Function improvements

- a. The performance of maintaining GNSS synchronization has been improved by enhancing the function that excludes detected abnormal satellites from positioning.

This improvement enhances the ability to maintain GNSS synchronization even in environments where abnormal satellites are present.

Note that up to 4 satellites can be excluded.

- b. A holdover extension mode has been added, which enables this device to autonomously transition to holdover status when too many abnormal satellites are present to be excluded.

Use the “set gnss holdover extend\_mode” command to enable this mode.

- c. The logic for receiving the UTC offset information, which is transmitted by GPS, QZSS and Galileo satellites every 12.5 minutes, has been improved to facilitate the transition to SYNC status using the first UTC offset information received after the system boots.

This improvement prevents an issue where the transition to SYNC status rarely takes a long time after the system boots.

Note that this issue does not occur if GLONASS, which transmits the UTC time every second, is enabled in the configuration.

- d. The default UTC offset used in PTP communication has been changed from 35 seconds to 37 seconds.

This offset is updated to the value received from GNSS after this device synchronizes with GNSS.

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Version 6.0 (2024/12/23)

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## 1 New features

ZTP(Zero Touch Provisioning) support has been added, which helps automate the configuration of network devices.

With this function, the device can automatically acquire the firmware and configuration file and apply them simply by being connected to the network and powered on.