1000 Product Series
Firmware Release Notes

Remark

This document contains the firmware release notes for all products of the 1000 product series.

ATTENTION:

Once network cards are updated to v2000, it is no longer possible to downgrade to a version earlier than v2000.

Changes

Product	Changes	Current firmware version	Previous firmware version
FG1000G01	X	v2000	v1301
FG1000G02	X	v2000	v1301
FG1000G03	X	v2000	v1301
FG1000G11	X	v2000	v1301
FG1000G12	X	v2000	v1301
FG1000G13	X	v2000	v1301
FG1000M00	X	v2000	v1301
FG1001G01	X	v2000	v1301
FG1001G02	X	v2000	v1301
FG1001G03	X	v2000	v1301
FG1001G11	X	v2000	v1301
FG1001G12	X	v2000	v1301
FG1001G13	X	v2000	v1301
FG1001M00	X	v2000	v1301
FG1020N00	X	v2000	v1301
FG1020N01	X	v2000	v1301
FG1021N00	X	v2000	v1301
FG1021N01	X	v2000	v1301

FG100xGyy Firmware Release Notes

Firmware Version	Changes
v2000	Added: Support for the year 2038 (Y2K38) issue Added: Support of FG1020S00, FG1020S01, FG1021S00, FG1021S01, FG1020T00, FG1020T01, FG1020T02, FG1020T03, FG1020T04, FG1021T00, FG1021T01, FG1021T02, FG1021T03, FG1021T04 Added: Action for HTTPS certificate generation Added: Upload of custom language file Added: CPU and memory usage as SNMP values Added: Showing which Activation Keys are used by each position Added: PTP Extended functionality “Use Padding TLVs” for PTP as sync source Added: Configuration for persistent SNMPv3 engine ID Added: Action for downloading a list which shows blocked firewall packets Added: Password rules configuration Added: NTP client list feature (Status for max. 20 NTP clients and an action for downloading a list which shows all NTP clients) Added: Extended relay logic configuration functionality Added: GNSS position accuracy status, GNSS reception quality status for all supported frequency bands and a GNSS skyplot Added: Power management section with configurable custom PSU events Improvement: : Extended Galileo OSNMA feature to operate on **all board revisions** with high precision dual-band L1/L5/E5a GNSS receiver (FG100xG11, FG100xG12, FG100xG13) Improvement: Optimized PTP clock classes calculation Improvement: PTP synchronisation stability Improvement: Responsive system and board layout across different browsers and zoom levels Improvement: Activation keys of TDC board can be added through the MGMT board

	Improvement: Security hardening Bugfix: Short holdover time during startup was fixed Bugfix: Adjusted the positions displayed in the toast notification indicating which positions need to be rebooted after a configuration change Bugfix: Removed non-required PTP TLVs from messages in specific PTP profiles Bugfix: Step when offset >= 100ms functionality with NTP as sync source was not working correctly Bugfix: Changed representation of PDOP (e.g. 123 -> 1.23) Bugfix: Fixed a false firewall warning when NTS (RFC8915) is enabled. Previously, the system incorrectly displayed a message stating that NTS was blocked by the firewall, even if a correct firewall rule was already in place. Bugfix: Added a missing warning if DNS is blocked by the firewall. Previously, the system showed no warning if DNS is configured, but there is no correct firewall rule in place. Bugfix: Fixed an issue that could cause the embedded to get stuck in the bootloader during startup.
v1301	Bugfix: Synchronisation bug in boards with high precision dual-band L1/L5/E5a GNSS receiver (FG100xG11, FG100xG12, FG100xG13) fixed Bugfix: TLV type of PTP Extended functionality “Use Padding TLV” changed to 0x8008
v1300	Added: New update procedure for future firmware version v2000 Added: Security feature Galileo OSNMA for Revision C boards with high precision dual-band L1/L5/E5a GNSS receiver (FG100xG11, FG100xG12, FG100xG13) Added: PTP Extended functionality “Use Padding TLVs” Bugfix: Values of Max. accuracy clamping dropdown were not shown in extension boards Bugfix: EMAIL monitoring
v1204	First released firmware version

FG100xMyy Firmware Release Notes

Firmware Version	Changes
v2000	Added: Support for the year 2038 (Y2K38) issue Added: Support of FG1020S00, FG1020S01, FG1021S00, FG1021S01, FG1020T00, FG1020T01, FG1020T02, FG1020T03, FG1020T04, FG1021T00, FG1021T01, FG1021T02, FG1021T03, FG1021T04 Added: Action for HTTPS certificate generation Added: Upload of custom language file Added: CPU and memory usage as SNMP values Added: Showing which Activation Keys are used by each position Added: Configuration for persistent SNMPv3 engine ID Added: Action for downloading a list which shows blocked firewall packets Added: Password rules configuration Added: NTP client list feature (Status for max. 20 NTP clients and an action for downloading a list which shows all NTP clients) Added: Extended relay logic configuration functionality Added: Power management section with configurable custom PSU events Improvement: Responsive system and board layout across different browsers and zoom levels Improvement: Security hardening Bugfix: Adjusted the positions displayed in the toast notification indicating which positions need to be rebooted after a configuration change Bugfix: Step when offset >= 100ms functionality with NTP as sync source was not working correctly Bugfix: Deleted wrong hint if NTS (RFC8915) is activated but not configured in the firewall, although it is configured in the firewall Bugfix: Added a missing warning if DNS is blocked by the firewall. Previously, the system showed no warning if DNS is configured, but there is no correct firewall rule in place.

	Bugfix: Fixed an issue that could cause the embedded to get stuck in the bootloader during startup.
v1300	Added: New update procedure for future firmware version v2000 Bugfix: Values of Max. accuracy clamping dropdown were not shown in extension boards Bugfix: EMAIL monitoring
v1204	First released firmware version

FG102xN00 Firmware Release Notes

Firmware Version	Changes
v2000	Added: Support for the year 2038 (Y2K38) issue Added: NTP client list feature (Status for max. 20 NTP clients and an action for downloading a list which shows all NTP clients) Added: Action for downloading a list which shows blocked firewall packets Improvement: Optimized PTP clock classes calculation Improvement: PTP synchronisation stability Improvement: Security hardening Bugfix: Removed non-required PTP TLVs from messages in specific PTP profiles Bugfix: Fixed an issue that could cause the embedded to get stuck in the bootloader during startup.
v1301	Bugfix: TLV type of PTP Extended functionality “Use Padding TLV” changed to 0x8008
v1300	Added: New update procedure for future firmware version v2000 Added: PTP Extended functionality “Use Padding TLVs” Bugfix: Values of Max. accuracy clamping dropdown were not shown in extension boards
v1204	First released firmware version

FG102xN01 Firmware Release Notes

Firmware Version	Changes
v2000	Added: Support for the year 2038 (Y2K38) issue Added: NTP client list feature (Status for max. 20 NTP clients and an action for downloading a list which shows all NTP clients) Added: Action for downloading a list which shows blocked firewall packets Improvement: Optimized PTP clock classes calculation Improvement: PTP synchronisation stability Improvement: Security hardening Bugfix: Removed non-required PTP TLVs from messages in specific PTP profiles Bugfix: Fixed an issue causing the Ethernet link to never go up in Auto-Negotiation mode under certain conditions Bugfix: Fixed an issue that could cause the embedded to get stuck in the bootloader during startup.
v1301	Bugfix: TLV type of PTP Extended functionality “Use Padding TLV” changed to 0x8008
v1300	Added: New update procedure for future firmware version v2000 Added: PTP Extended functionality “Use Padding TLVs” Bugfix: Values of Max. accuracy clamping dropdown were not shown in extension boards
v1204	First released firmware version