

8100 Product Series Firmware Release Notes

Remark

This document contains the firmware release notes for all products of the 8100 product series.

FG8101G01 Firmware Release Notes

Firmware Version	Changes
v0108	Improvement: Display representation while leap second event Improvement: Local time representation after a reboot
v0107	Improvement: Display shows "H" for holdover mode instead of "C" for crystal mode
v0106	Improvement: Changed display default configuration, to same behaviour as in v0104 Improvement: Support of different display behaviours (permanent on or timeout based)
v0105	Bugfix: Fixed issue with negative time zone offset on display
v0104	First released firmware version

FG8702G0x Firmware Release Notes

Firmware Version	Changes
v0700	<p>Added: Support of SINEC H1 time service (this feature requires an activation key)</p> <p>Added: Support for PTP Profile ITU-T G8275.1</p> <p>Improvement: PTP time service configuration per network interface</p> <p>Improvement: PTP time service output for UTC and arbitrary time in addition to TAI</p> <p>Improvement: Minimum sync accuracy configuration for PTP</p> <p>Improvement: SYSLOG support for up to 32 servers</p> <p>Improvement: SNMP v2 and v3 can now be enabled / disabled separately</p> <p>Improvement: Scalar values of the SNMP MIB can now be requested with trailing .0</p> <p>Improvement: SNMP boardsVarTable index can now be added at the end of the OID</p> <p>Improvement: SNMP MIB entries timeServiceNtpStratum, gnssAntennaOpenDetected and gnssAntennaShortCircuitDetected added</p> <p>Improvement: SNMP response time improved</p> <p>Improvement: NTP time service output configuration for UTC, STD or LOC</p> <p>Improvement: Support for increased number of 200 VLAN configurations</p> <p>Improvement: Improved representation of active events</p> <p>Improvement: PTP operation during simulation mode</p> <p>Bugfix: Removed possible problems in the leap second handling</p> <p>Bugfix: Removed a bug that caused problems, when DHCP was enabled but no DHCP server was reachable</p>
v0601	<p>Improvement: LED behaviour of FG8802S02 in huma®</p>
v0600	<p>Added: FG8801F02 support</p> <p>Added: NTS (RFC 8915) support</p> <p>Added: Trusted certificate support</p>

	<p>Improvement: Every “crystal” text changed to “holdover”</p> <p>Improvement: Update of card cover images</p> <p>Improvement: Antenna short circuit detection improved</p>
v0502	<p>Added: Synchronization Setting for stepping when offset >= 100ms</p> <p>Added: NTP Configuration - Holdover operation (Specific stratum while holdover, Always output NTP)</p> <p>Improvement: Set time is now also possible in normal operation mode (before it was only possible in simulation mode)</p> <p>Improvement: NTP behaviour with execute time jump</p>
v0501	<p>Added: FG8803S02 and FG8803S20 support</p> <p>Added: Immediate PTP service start configuration</p> <p>Added: PTP clock class 6 simulation mode</p> <p>Improvement: SNMPv3 MIB-2 Support</p> <p>Improvement: Removed 30s SNMP value caching</p> <p>Improvement: Feature to update whole system with one update file</p>
v0201	<p>Added DNS as service option in network firewall rules</p> <p>Bugfix: Fixed simulation mode issue</p> <p>Bugfix: Fixed RADIUS PAP with local as fallback</p>
v0200	<p>Added FG8802S00, FG8802S01, FG8802S02, FG8802S20 and FG8901P06 support</p> <p>Added GNSS firewall feature</p> <p>Added LI8100A04 and LI8100A05 support</p> <p>SIMATIC time service can now be configured for two broadcast addresses</p> <p>Reworked SNMP MIB</p> <p>Improved synchronization</p> <p>Improved bus communication</p>

v0106	Bugfix: Fixed synchronisation issue
v0103	First released firmware version

FG8800M00 Firmware Release Notes

Firmware Version	Changes
v0700	<p>Added: Support of SINEC H1 time service (this feature requires an activation key)</p> <p>Improvement: SYSLOG support for up to 32 servers</p> <p>Improvement: SNMP v2 and v3 can now be enabled / disabled separately</p> <p>Improvement: Scalar values of the SNMP MIB can now be requested with trailing .0</p> <p>Improvement: SNMP boardsVarTable index can now be added at the end of the OID</p> <p>Improvement: SNMP MIB entries timeServiceNtpStratum, gnssAntennaOpenDetected and gnssAntennaShortCircuitDetected added</p> <p>Improvement: SNMP response time improved</p> <p>Improvement: NTP time service output configuration for UTC, STD or LOC</p> <p>Improvement: Support for increased number of 200 VLAN configurations</p> <p>Improvement: Improved representation of active events</p> <p>Bugfix: Removed possible problems in the leap second handling</p> <p>Bugfix: Removed a bug that caused problems, when DHCP was enabled but no DHCP server was reachable</p>
v0601	<p>Improvement: LED behaviour for FG8802S02 in huma®</p>
v0600	<p>Added: FG8801F02 support</p> <p>Added: NTS (RFC 8915) support</p> <p>Added: Trusted certificate support</p> <p>Added: Synchronization setting for stepping when offset >= 100ms</p> <p>Improvement: Every "crystal" text changed to "holdover"</p> <p>Improvement: Update of card cover images</p>
v0501	<p>First released firmware version</p>

FG8801F02 Firmware Release Notes

Firmware Version	Changes
v0700	<p>Added: Support for 100Mbit SFP modules</p> <p>Added: Support of SINEC H1 time service (this feature requires an activation key)</p> <p>Added: Support for PTP Profile ITU-T G8275.1</p> <p>Improvement: PTP time service configuration per network interface</p> <p>Improvement: PTP time service output for UTC and arbitrary time in addition to TAI</p> <p>Improvement: Minimum sync accuracy configuration for PTP</p> <p>Improvement: NTP time service output configuration for UTC, STD or LOC</p> <p>Improvement: Support for increased number of 200 VLAN configurations</p> <p>Improvement: Improved representation of active events</p> <p>Improvement: PTP operation during simulation mode</p> <p>Bugfix: Removed possible problems in the leap second handling</p> <p>Bugfix: Removed a bug that caused problems, when DHCP was enabled but no DHCP server was reachable</p>
v0601	No changes, only firmware version increased
v0600	First released firmware version

FG8801N02 Firmware Release Notes

Firmware Version	Changes
v0700	<p>Added: Support of SINEC H1 time service (this feature requires an activation key)</p> <p>Added: Support for PTP Profile ITU-T G8275.1</p> <p>Improvement: PTP time service configuration per network interface</p> <p>Improvement: PTP time service output for UTC and arbitrary time in addition to TAI</p> <p>Improvement: Minimum sync accuracy configuration for PTP</p> <p>Improvement: NTP time service output configuration for UTC, STD or LOC</p> <p>Improvement: Support for increased number of 200 VLAN configurations</p> <p>Improvement: Improved representation of active events</p> <p>Improvement: PTP operation during simulation mode</p> <p>Bugfix: Removed possible problems in the leap second handling</p> <p>Bugfix: Removed a bug that caused problems, when DHCP was enabled but no DHCP server was reachable</p>
v0601	No changes, only firmware version increased
v0600	<p>Added: NTS (RFC 8915) support</p> <p>Added: Trusted certificate support</p> <p>Added: Synchronization setting for stepping when offset \geq 100ms</p>
v0502	<p>Added: NTP Configuration - Holdover operation (Specific stratum while holdover, Always output NTP)</p> <p>Improvement: NTP behaviour with execute time jump</p>
v0501	<p>Improvement: Internal communication improved</p> <p>Added: Immediate PTP service start configuration</p> <p>Added: PTP clock class 6 simulation mode</p>
v0201	Added DNS as service option in network firewall rules

v0200	SIMATIC time service can now be configured for two broadcast addresses Events and alarms are forwarded to the management board for distribution Improved synchronization Improved bus communication
v0106	Bugfix: Fixed synchronisation issue
v0104	First released firmware version

FG8802Sxx Firmware Release Notes

Firmware Version	Changes
v0200	Added: Synchronization setting for stepping when offset \geq 100ms Improvement: Overcurrent detection improved
v0100	First released firmware version

FG8803Sxx Firmware Release Notes

Firmware Version	Changes
v0200	Added: Synchronization setting for stepping when offset \geq 100ms Bugfix: Statusbits in Hopf Time Universal string adjusted Bugfix: Character 25 in SAT1703 string adjusted Bugfix: Characters 13 and 14 in IEC-103 string adjusted
v0100	First released firmware version