

8100 Product Series Firmware Release Notes

Remark

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

FG8101Gxx Firmware Release Notes

| Firmware Version | Changes |
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| 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 |

FG8702Gxx Firmware Release Notes

| Firmware Version | Changes |
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| v0800 | <p>Added: FG8702G04, FG8702G05, FG8702G06, FG8702G11, FG8702G12, FG8702G13, FG8702G14 and FG8702G15 support</p> <p>Added: PTP v2.0 compatibility mode</p> <p>Added: Action to set current number of leap seconds</p> <p>Added: SNMP MIB values for GNSS2 (gnss2SatTracked, gnss2JammingState, gnss2SpoofingState, gnss2AntennaOpenDetected, gnss2AntennaShortCircuitDetected)</p> <p>Added: Status information about the current number of leap seconds</p> <p>Improvement: Additional information about network status (duplex, speed, auto-negotiation)</p> <p>Improvement: Remote IPs of firewall rules can be set with CIDR-notation</p> <p>Bugfix: huma@-access with PRP via RedBox fixed</p> <p>Bugfix: PTP with IPv4/E2E via PRP fixed</p> |
| v0701 | No changes, only firmware version increased |
| 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> |

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| | <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> |

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| v0201 | Added DNS as service option in network firewall rules Bugfix: Fixed simulation mode issue Bugfix: Fixed RADIUS PAP with local as fallback |
| v0200 | Added FG8802S00, FG8802S01, FG8802S02, FG8802S20 and FG8901P06 support Added GNSS firewall feature Added LI8100A04 and LI8100A05 support SIMATIC time service can now be configured for two broadcast addresses Reworked SNMP MIB Improved synchronization Improved bus communication |
| v0106 | Bugfix: Fixed synchronisation issue |
| v0103 | First released firmware version |

FG8800M00 Firmware Release Notes

| Firmware Version | Changes |
|------------------|---|
| v0800 | <p>Added: FG8702G04, FG8702G05, FG8702G06, FG8702G11, FG8702G12, FG8702G13, FG8702G14 and FG8702G15 support</p> <p>Added: SNMP MIB values for GNSS2 (gnss2SatTracked, gnss2JammingState, gnss2SpoofingState, gnss2AntennaOpenDetected, gnss2AntennaShortCircuitDetected)</p> <p>Added: Status information about the current number of leap seconds</p> <p>Improvement: Additional information about network status (duplex, speed, auto-negotiation)</p> <p>Improvement: Remote IPs of firewall rules can be set with CIDR-notation</p> <p>Bugfix: huma@-access with PRP via RedBox fixed</p> |
| v0701 | No changes, only firmware version increased |
| 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> |

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| v0601 | Improvement: LED behaviour for FG8802S02 in huma® |
| v0600 | Added: FG8801F02 support Added: NTS (RFC 8915) support Added: Trusted certificate support Added: Synchronization setting for stepping when offset >= 100ms Improvement: Every "crystal" text changed to "holdover" Improvement: Update of card cover images |
| v0501 | First released firmware version |

FG8801F02 Firmware Release Notes

| Firmware Version | Changes |
|------------------|--|
| v0800 | <p>Added: PTP v2.0 compatibility mode</p> <p>Added: Status information about the current number of leap seconds</p> <p>Improvement: Additional information about network status (duplex, speed, auto-negotiation)</p> <p>Improvement: Remote IPs of firewall rules can be set with CIDR-notation</p> <p>Bugfix: Uplink-detection of FG9000F02 SFP-module after power reset fixed</p> <p>Bugfix: PTP with IPv4/E2E via PRP fixed</p> |
| v0701 | <p>Bugfix: hopf FG9000F02 support</p> |
| 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 | <p>No changes, only firmware version increased</p> |

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| v0600 | First released firmware version |
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FG8801N02 Firmware Release Notes

| Firmware Version | Changes |
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| v0800 | <p>Added: PTP v2.0 compatibility mode</p> <p>Added: Status information about the current number of leap seconds</p> <p>Improvement: Additional information about network status (duplex, speed, auto-negotiation)</p> <p>Improvement: Remote IPs of firewall rules can be set with CIDR-notation</p> <p>Bugfix: PTP with IPv4/E2E via PRP fixed</p> |
| v0701 | No changes, only firmware version increased |
| 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> |

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| v0502 | Added: NTP Configuration - Holdover operation (Specific stratum while holdover, Always output NTP) Improvement: NTP behaviour with execute time jump |
| v0501 | Improvement: Internal communication improved Added: Immediate PTP service start configuration Added: PTP clock class 6 simulation mode |
| 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 |
|------------------|---|
| v0300 | Added: DCF output with optional SIMEAS R modification Added: Status information about the current number of leap seconds Improvement: Leap second behaviour |
| 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 |
|------------------|---|
| v0300 | Added: Support of ION 7550 string Added: Status information about the current number of leap seconds Improvement: Leap second behaviour |
| 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 |