

Firmware 2.12.22 & Monitoring App 2.6.3

IMON-G100 1.x / IMON-G200 1.x / IMON-U3xx 1.x

General information:

The update package contains the following files:

- system_IMON_2.12.22 always necessary
- data_IMON_2.12.22 always necessary
- Monitoring_2.6.3 only necessary if Monitoring App is used

On the last pages you'll find the [update process](#) and the checksums for the files!

- Additional information for Monitoring App on our web site: <http://www.insys-icom.com/Monitoring-App>
- The latest manuals are available on our web site: <http://www.insys-icom.com/icom/en/support-downloads>

Intended use for INSYS products:

- All IMON-G100 1.x devices
- All IMON-G200 1.x devices
- All IMON-U300 1.x devices
- All IMON-U310 1.x devices

Important notes:

- Only for Monitoring App:
 - It's an optional update for devices with firmware version of at least **2.12.18**
 - Following INSYS-devices already include one Monitoring package:
 - On IMON-G100: Logo
 - On IMON-G200: Modbus
 - On IMON-U300 and IMON-U310: Logo, Modbus
 - Licenses for the functions Logo, Modbus, S7 can be ordered at INSYS icom sales department
 - When updating an IMON with Monitoring version of 1.x.x, you have to reset the Monitoring settings after the update

Preconditions:

- Make sure nobody else is working on the web interface too!
- The power supply must not fail or be switched off in any case!
- We recommend to save the configuration first (Download page).

Latest Release Notes:

Since version 2.12.21

Functional Change:

- Email: configuration of TLS 1.2 and TLS 1.3 possible
- EBW-L: If LAN (ext) is active but no redundancy is configured, a message text is displayed in the web interface
- Serial Ethernet gateway: Configurable response timeout for the Modbus gateway
- OpenSSL: Update to version 1.1.1.q
- OpenVPN: Update to version 2.4.12
- Openswan: Update to version 2.6.52
- dropbear: Update to version 2022.82
- stunnel: Update to version 5.67

Bug Fixes:

- EBW-L: Sporadically failed DNS name resolution fixed
- EBW-L: cellular modem ist restarted if no DHCP client could be started after a daily logout & login

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Latest Release Notes:

Since version 2.12.20

Functional Change:

- Connectivity Service: Added new CA-Certificate for Init-Service.

Bug Fixes:

- EBW-L: Ethernet switch gets reset correctly on restart.

Since version 2.12.19

Functional Change:

- China VPN: DNS resolution via a DnsOverHttps proxy ensures availability if the IP address is changed.
- Update OpenSource Package: Update to ppp2.4.5 including security patches

Bug Fixes:

- E-mail dispatch: increased reliability

Since version 2.12.18

Functional Change:

- Autoupdate: Update process is delayed after a manual update has been started.
- Update OSS packages: Most of the OSS packages used have been updated. Therefore, please check your PKI for compatibility, e.g. the use of MD5 and convert it to a modern process, for example SHA2 or the changed CRL handling (e.g. last update parameter)..
- Sandbox: System V queues are also supported for EBW-L

Bug Fixes:

- Mobile: Crash of the web interface fixed if provider is read with CR (0x0A)
- SMS: SMS reception on EBW-L devices is possible again without restarting the modem
- Mobile radio: Provider name is "NONE" if unknown
- MCIP: SMS readout error does not lead to missing status values
- Web interface: Fixed command injection for debug commands
- Web interface: Netmask is no longer deleted when creating a default route
- Serial-Ethernet-Gateway: Connection can be terminated again via ATZ
- RSM: Using correct MAC addresses

Since version 2.12.17

Bug Fixes:

- EBW: unintended deactivation of switch after LAN (ext) configuration fixed
- ASCII configuration: configured SMS protocol (GSM or UCS2) will be exported correctly again
- Quick start of MoRoS LAN or EBW-L: sporadic deactivation of DNS relay fixed
- Update: reliability of update process improved

Since version 2.12.16

Functional Change:

- IPsec: Extension of supported key parameters by hash function SHA2-256 and DH groups 14-18

Bug Fixes:

- Operation of external ADSL modems with EBW routers: Connections with VLAN tags are supported correctly in PPPoE mode
- SNMP agent: correct function restored (was missing in release 2.12.16)

Additional information regarding older versions is available from the INSYS support: support@insys-tec.de

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Latest Release Notes:

Since version 2.6.2 of the Monitoring App

Function changes:

- Compatibility update to OpenSSL 1.1.1

Important note: if the SMS function of the monitoring app is used, please check the router firmware beforehand Update 2.12.18 before an update to 2.12.19 takes place.

Since version 2.6.1 of the Monitoring App

New Functions:

- SMS reception: incoming SMS can be configured without comparison text >> event will be triggered with every incoming SMS.
- SMS reception: incoming SMS will only be compared for match up to the length of the comparison text >> event will be triggered, even if incoming SMS is longer than comparison text.
- Mobile radio signal strength: can be used as system variable \$SIGNAL for SMS, eMail, MQTT and Cumulocity/Cloud of Things (Measurement)

Bug fixes:

- Cumulocity / Cloud of Things connection: stability improvement of the self registration function

Since version 2.5.2 of the Monitoring App

New Functions:

- SMS with router EBW-L100: SMS dispatch and receipt is supported by the Monitoring App (note: SMS function is available for EBW-L100 since INSYS OS 2.12.11)

Bug fixes:

- Cumulocity / Cloud of Things connection: stability improvement of the self registration function

Since version 2.5.1 of the Monitoring App

New Functions:

- Cloud connection: self-registration with Cumulocity and Telekom Cloud of Things (extended device registration)
- Cumulocity / Telekom Cloud of Things connection: storing of the device properties in case of missing Internet connection (for sending when connection is available again)

Bug fixes:

- Modbus connection: reading individual bytes from input or holding registers works also from bit 8 (before only for bits 0-7)

Since version 2.5.0 of the Monitoring App

New Functions:

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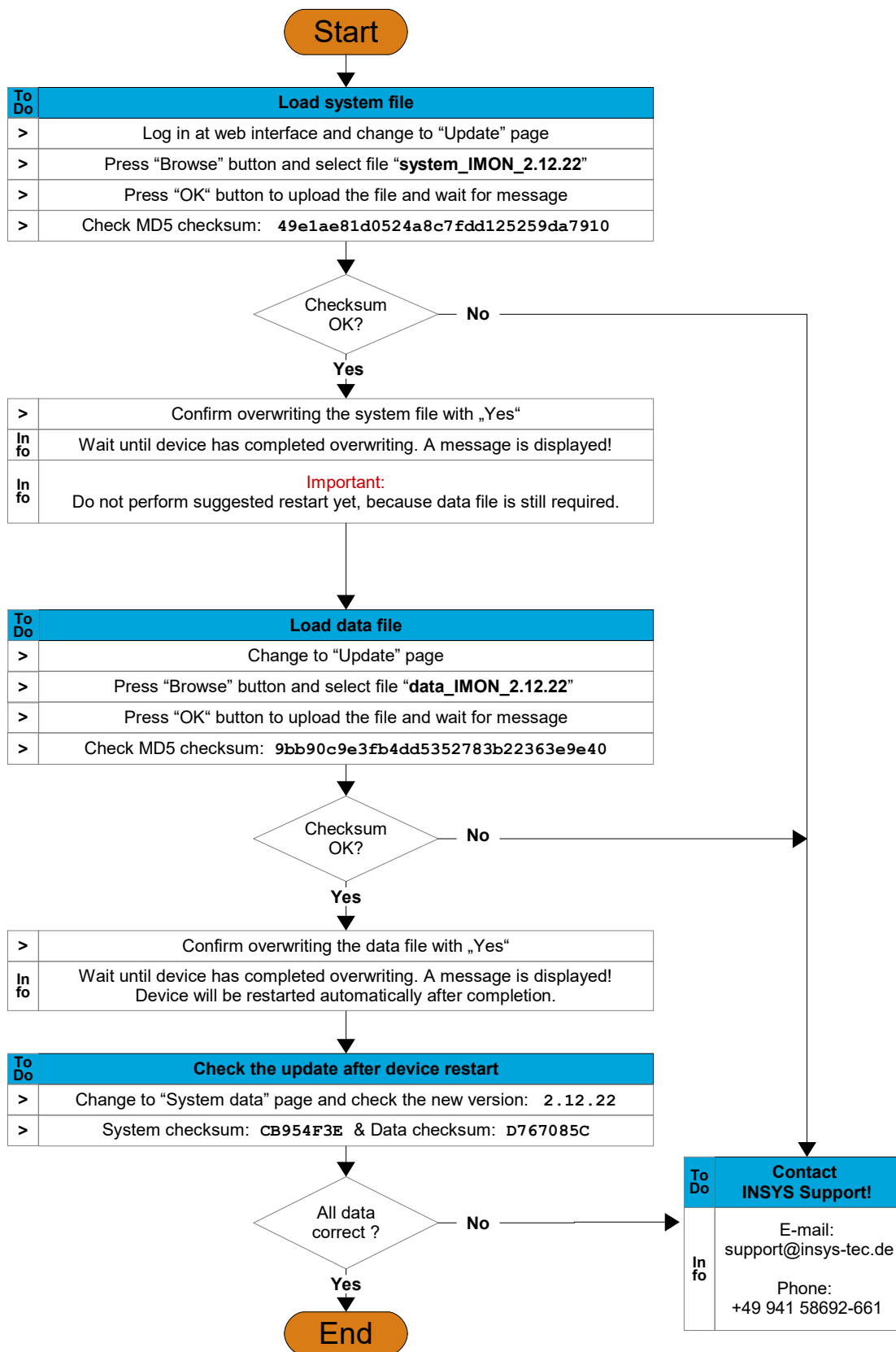
Bug fixes:

- SMS, e-mail: correct message dispatch (has been prevented with version 2.5.0)
- Logo 0BA8: Elements can be used in logic operations (was not possible with version 2.5.0)

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Update Monitoring App 2.6.3

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