Product Change Notification

PCN-Number / Rev / Date	44968 / 1 / 02.06.2022
Category / change type	SWFW software / SOFTW Change of software / MAJOR
Summary	Software update of all standard variants to the release Impala
Motivation, trigger	The latest version extends the range of functions and increases security.
Details of change	Significant aspects • General o Added support for CAN transceiver with wakeup capabilities. o Created iMX-Programmers-Guide to provide a more focused manual for developers. (The TCG-4 user manual was reduced by its programming chapters.) o Extended integration test framework. • Security o Deactivated socat, strace and gdbserver in the root file system. o Deactivate shell by default in ycumulocityd. -> Every device in the field that gets updated to impala will get their shell deactivated! o Support openSYDE security authentication feature. o Updated recommendation for creating a wifi access point in /etc/wlan.conf. • U-boot 2017.05 (STW-V2_01r1) o Activate command for printing license information inside the u-boot. • Kernel 5.4.178 (STW-v3_02r0) o Upgraded patch level to 178. o Activated driver to read the temperature sensor inside the iMX. o Added TJA1145 driver + support in device-tree. o Fixed Ethernet bug regarding certain switches. o Increased entropy inside the initramfs. • Buildroot 2021.02.09 (STW-V3_02r0) o Updated Buildroot to 2021.02.09. o Add suricatta/hawkbit example to swupdate config. o Allow GNSS systems and GPS update rate to be configured in /etc/gps.conf. o Patched gpsd to fix problem: Status will only be valid if >=DGPS is received. o Activated ubxtool in gpsd. o Activated python and libtomcrypt. o Fixed known bugs. • OBS - On Board Software (STW-V1_02r0) o Update openSYDE core to R20. o Activated ymqttd. o stw_J1939DM1: add timestamp to the outbox alarm file. o Extend stw_UpdateInstall's logging functionality. o Fixed known bugs. • Libtaf o Reduced memory leak in taf_get_gsm_data. (needs to be fixed inside GLib, Ticket exists: https://gitlab.gnome.org/GNOME/glib/-/issues/2066). o Build with POSITIION INDIPENDENT CODE, so that libtaf can be used inside a dynamic lib.
Alert impact	STW will raise the software level of all non-customized variants of the TCG-4 to Impala.
Effective date	01.08.2022
First product shipment	01.08.2022

Product Change Notification

Company	STW TECHNIC, LP
Comments / objections to	orders@wiedemann-group.com

If you need further assistance, you may also contact your local sales representative or our sales department.
STW shall not be held liable if this notification is not correctly distributed within your organization.

Affected Product	STW part number	Customer part number
Teleservice module TCG-4e-global	86878	n.a.
Teleservice module TCG-4e-global	94139	n.a.
Teleservice module TCG-4e-global	94138	n.a.
Teleservice module TCG-4e-EU	86842	n.a.
Teleservice module TCG-4e-US	86844	n.a.
Teleservice module TCG-4i-US	86843	n.a.
Teleservice module TCG-4e-US	88270	n.a.

Anschrift/Address
Am Bärenwald 6
87600 Kaufbeuren
GERMANY
Internet
www.stw-mm.com

Telefon/Phone
+49 8341 9505-0
Telefax/Fax
+49 8341 9505-55
Email/E-Mail
info.stw@wiedemann-group.com

Sitz der Gesellschaft/Registered office
Kaufbeuren
Registergericht/Register court
Amtsgericht Kempten, HRB Nr. 1863

Geschäftsführer/CEO
Christophe de Bary
Steffen Dieterle
Sonja Wiedemann

USt. ID-Nr./VAT.Reg.No.
DE811355522
St.Nr.
125/137/30002

Bankverbindung/Bank details
Sparkasse Kaufbeuren
IBAN DE75 7345 0000 0000 0219 72
BIC BYLADEM1KFB

Bankverbindung/Bank details
Deutsche Bank AG, Kempten
IBAN(EUR) DE84 7337 0008 0145 9791 00
IBAN(USD) DE46 7337 0008 0145 9791 05
BIC DEUTDEMM733