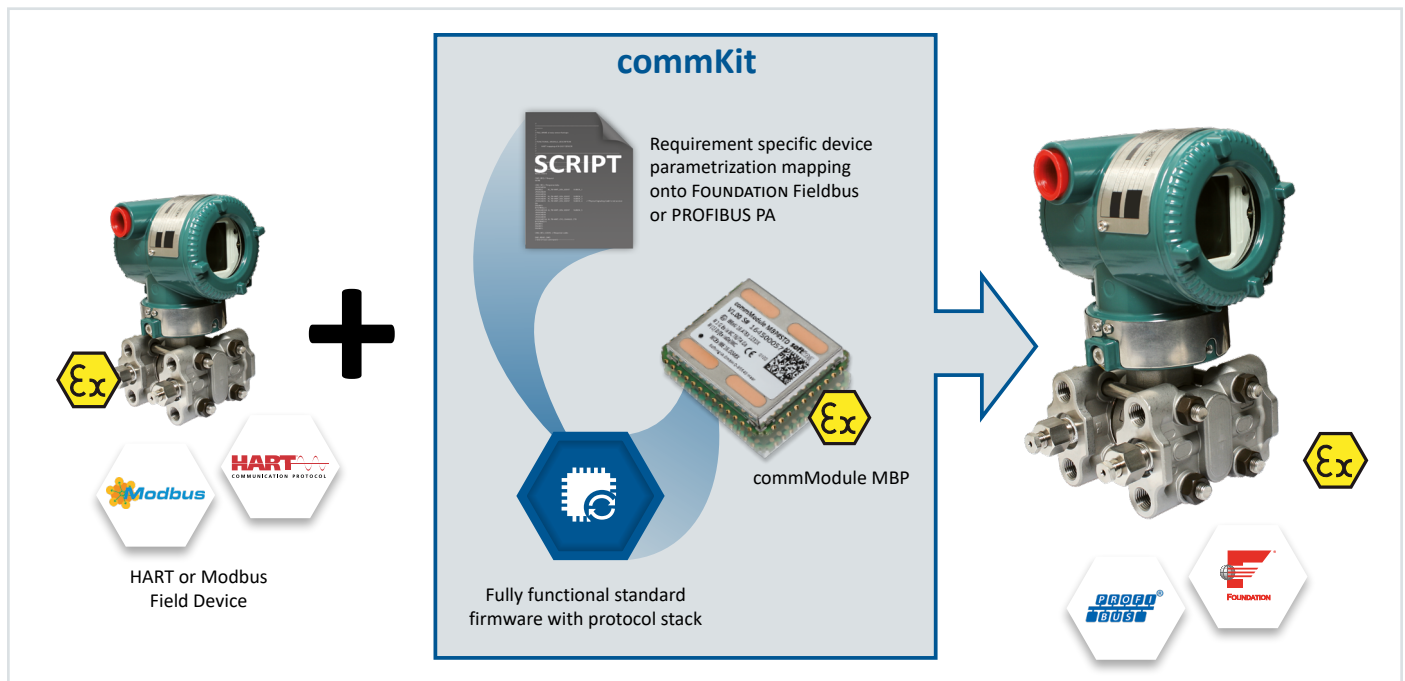


commKit

Single Hardware for implementing FF & PROFIBUS PA technologies into field devices

commKit consists of:

- **commModule MBP** – Interface for FF-H1 or PROFIBUS PA, interprets the device-specific script and communicates with the field device via HART or Modbus
- **Software tool commScripter** for generating the device-specific mapping function
- **Customer-specific workshop** and supplementary products



Pre-certified hardware – commModule MBP for fast device certification

- Piggyback circuit board in compact design (32 mm x 39 mm x 6.5mm)
- In conformance with FOUNDATION Fieldbus requirements the pre-certification leads to fast device certification
- UART, I2C, SPI data interfaces
- Ex certification (Atex, IECEx, FM)
- Conformal coating

Pre-installed Firmware – commScripter replaces extensive programming efforts

- FOUNDATION Fieldbus H1 and PROFIBUS PA device stacks included
- No time-consuming programming of a C-application required
- Fast integration of a communication interface according to customer requirements and without programming
- Enables fast and flexible integration of FF-H1 and PROFIBUS PA into HART and Modbus devices

Workshop – Project support by Softing developers

- Customer-specific multi-day workshop introducing the commScripter concept
- Realization of a device image with the device of the customer
- Supplementary support for device integration and DD creation

Technical Data

FF Protocol capabilities	H1 Link Master
PA Protocol capabilities	MBP Slave
Available Blocks FF	1 RB FBs: max. 20 out of AI, AO, DI, DO, PID, IS, CS, SC, AR; max 1 IT 1 SCP-TB 1 Softing DIAG-TB 1 Softing DEMO-TB (for Softing Devices only) Max. 5 User-TBs
Available Blocks PA	1 PB FBs: max. 20 out of AI, AO, DI, DO, max 2 TOT 1 Softing DIAG-TB 1 Softing DEMO-TB (for Softing Devices only) Max. 5 User-TBs
FB execution times	10 msec (FF-PID: 15 msec)

Scope of Delivery

Software / Firmware	Downloadable CD image containing Firmware binaries, source code samples (incl. device descriptions), tools and documentation
Documentation	User Guides for commModule HW, Evaluation Kit, commScripter and FF/PA firmware

Order Numbers

EVA-MK-022210	commModule Evaluation Kit (commModule MBP in housing with connectors)
LDA-KM-022451	commScripter Single Seat Developer License FF to HART
LDA-LM-022452	commScripter Single Seat Developer License PA to HART
LDA-KS-022453	commScripter Single Seat Developer License FF to Modbus
LDA-LS-022454	commScripter Single Seat Developer License PA to Modbus
HUA-XX-001014	USB Hardlock for commScripter Licenses
SIA-KS-022470	commScripter Workshop (per day)
SIA-KL-020100	Integration Support (per hour)

Additional Products and Services

DXA-KL-020621	Renesas E2Lite Flasher
EIA-KS-022200	commModule MBP potted, 90 pieces in tray
EIA-KS-022220	commModule MBP non-potted, 90 pieces in tray
EIA-KS-022400	commModule MBP potted, 5 samples in tray
EIA-KS-022420	commModule MBP non-potted, 5 samples in tray

Your local Softing contact:

<https://industrial.softing.com>

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