

Release Notes

commKit MBP

Version 3.50

July 2021

1. Components of Current Product Version

Component	Description	Version
commScripter	PC tool to generate appl. mappings	3.50
FD-SW	Firmware for commModule-MBP	3.50

Related Documentation

Title	Language	Version
commScripter User Guide	EN	EN-032021-3.50
FD-SW User Guide	EN	EN-062021-3.50

2. Scope of Release

- commKit (commScripter + FD-SW)
- User Guides
- Release Notes

For software and documentation visit the download area on our web site at <http://industrial.softing.com/en/downloads.html>.

3. Release History

Changes in release 3.50

July-2021

New and changed functions

- NV-RAM data verification on commModule MBP added
- Diagnosis mapping rearranged and unified
- Support for unmapped block parameters added, which can be written with the contained value
- PA: Support for Totalizer Function Block added
- FF: Support for SCP (Standardized Connection Points) added
- FF: Support for Integrator function block added
- Softing Demo-TB added for enhanced demonstration and test functionality
- FF: Demo device registered at FCG

Bug fixes

- (#1232) PA: GSD file is generated with wrong hardware and software revision
- (#1238) PA: Out status does not change in OOS when switched from condensed to classical status
- (#1253) FF: Write with subindex to FB link object does not work correctly
- (#1256) commscripiter generates wrong unit list for the channels which have at least 1 HART vendor specific unit
- (#1262) FF: Number of FB Start entries is limited to 16
- (#1269) FF: MAX_NOTIFY value is too small for small function block applications

Known issues

- (#1273) FF: Function block execution related statistics in DIAG-TB are not updated in SCP mode
- (#1274): Heap size too small for large applications

New and changed functions

- Extend commScripter support for custom hardware (= non commModule based) projects
- Definition of storage type N for parameters supported
- Improved application interface for custom device implementation (i.e. non HART or Modbus mapped devices)
- Support of additional vendor unit codes for Modbus
- FF: Support for CS, AR, IS, SC Function Blocks added
- PA: Improved diagnosis mapping and DIAG_EVENT_SWITCH handling
- PA: Support for Limit Bits in Classic and Condensed Status mode

Bug fixes

- (#1209) FF: Wrong MIB Revision in .cff file
- (#1210) PA: No transducer blocks visible when physical block without device specific parameters
- (#1213, #1214) PA: Invalid unit code definitions
- (#1223) PA: Write to first device specific PA transducer block parameter fails
- (#1225) FF: Block configuration error may disappear when serial communication to application device is lost
- (#1230) PA: Vendor units are not accepted as default channel units
- (#1231) PA: Fallback to default values after power cycle / setting address under certain circumstances
- (#1234) PA: Invalid status code in condensed mode when FSAFE_TYPE is set to 1 (Last Usable value)
- (#1237) PA: OUT/OUT_D status mapping depending on FSAFE_TYPE

New and changed functions

- Support for Profibus-PA in commKit approach added
- Definition of unmapped parameters in commScript supported

Bug fixes

- (#1133): commScripter does not detect invalid data structure names
- (#1155) FF: Device Description Version 4 must not have "no_download / upload_wanted" collections in transducer
- (#1157) PA: Device may return misleading error code "invalid range" on write request
- (#1158): Invalid Modbus mapping if there is a small gap in the Modbus register mapping

- (#1161): Mapped HART CMD for FactoryReset of HART device is not invoked upon a FactoryReset
- (#1195): Missing HART write command if multiple simple block parameters are mapped to one HART command

Changes in release 3.20

Oct-2018

New and changed functions

- Support for Modbus application devices added
- Control of power supply for application device via commScript supported

Bug fixes

- (#1146): HART master does not encode CONST data items

Changes in release 3.10

Nov-2017

New and changed functions

- Initial commScripter based FD-SW implementation on commModule MBP

Bug fixes

- None