

Release Notes

aplSwitch Field and aplSwitch Field PA

Version 1.11

February / 2026

Product	Deliverable	Version	Date
aplSwitch Field (GSA-XX-020101)	<ul style="list-style-type: none"> - Firmware_aplSwitch_Field V1-11.zip - Checksum: Firmware_aplSwitch_Field V1-11.zip.sha256 	V1.11	16.02.2026
aplSwitch Field PA (GSA-XX-020111)	<ul style="list-style-type: none"> - Firmware_aplSwitch_Field_PA V1-11.zip - Checksum: Firmware_aplSwitch_Field V1-11.zip.sha256 	V1.11	16.02.2026

1. New or enhanced features

- Rate limiter (traffic shaper) is enabled by default

2. Fixed issues

Number	Failure	Severity	Field Switch	PROFINET	PROFIBUS	Fixed in Version	Release Notes
	Severity: I = Info (editorial changes) M = Minor (update if wanted) E = Error (update recommended) F = Fatal (update required)						
447	WebServer: Detection of Spurs where a PROFIBUS device is connected does not work	M			X	1.11	Spurs with PROFIBUS devices are detected correctly by the WebServer.
453	Spur address assignment of PA devices in WebServer does not change if device connection is changed from Spur 1...8 to spur 9...16 or vice versa.	M			X	1.11	Improved assignment of PA devices or PA device addresses to the respective spurs. Specifically, when a device is plugged from spur 1-8 to track 9-16 (or vice versa).
493	Random reboot of the Field Switch by user during startup can result in inconsistent file system that caused longer boot times.	M	X			1.11	Random reboots during startup do not result in an inconsistent file system.

517	Handling of PROFIBUS error "Duplicate address" differs during power on and operating mode what may have caused a wrong alarm in PLC	E			X	1.11	Identical handling of PROFIBUS error "Duplicate address" during power on and operating mode, no wrong diagnostics and no wrong PLC alarms.
525	Very heavy TCP network load, e.g. by the WebServer may lead to a restart of the switch	M	X			1.11	Higher robustness of field switch against heavy TCP network load, no more restarts.
627	Port parameters that were changed via PROFINET are not reset by a reset to factory executed by the web server interface	E		X		1.11	Port parameters that are changed via PROFINET are now reset to default values if erase configuration is executed from the web server.
628	Ports that are disabled via PROFINET are not shown as disabled in the health page of the webserver	M		X		1.11	Ports that are disabled via PROFINET are now shown as disabled in the health page of the webserver.
637	InterFrameGap (IFG) is too short on APL Spur ports (48 bits instead of 96 bits)	E	X			1.11	APL devices could count ethernet link errors if the device supports detection of wrong InterFrameGap. Some APL devices could have not accepted the frames at all but this has not been observed so far.
638	Device description file for PROFINET should be called GSD instead of GSDML as proposed by the PI	I		X		1.11	Device description file for PROFINET is now called GSD instead of GSDML acc. to PI convention.
643	Names of Trunk, Spur and SFP ports in GSD file are not as printed on the hardware	I	X			1.11	Names of Trunk, Spur and SFP ports in GSD file match the names printed on the Field Switch.
661	System-Time differs between WebServer and Display for several minutes if time is changed via web server.	I	X			1.11	System-Time of WebServer and Display synchronized
662	Menus are visible on the display that should not be available in normal operation	M	X			1.11	Unexpected information are not visible anymore on the display in normal operation.
670	Reboot loop during Power-On	E	X			1.11	High network loads will not cause a reboot loop during Power-On of the Field Switch.

671	TIA Portal shows version mismatch in online mode between GSD and Firmware	M		X		1.11	TIA Portal does not show version mismatch in online mode between GSD and Firmware anymore
675	In PROFINET engineering systems, some field switch parameter names containing special characters (e.g. the ° symbol) were displayed incorrectly.	I		X		1.11	Special characters (e.g. ° symbol) used for Field Switch parameter names are now shown correctly in PROFINET engineering systems.
xxx	Rate limiter function (traffic shaper) deactivated in GSD by default, less robustness of Field Switch real-time communication against high network loads (e.g. IP storm) in default mode.	E	X	X		1.11	Rate limiter (traffic shaper) is enabled by default, Field Switch real-time-communication is robust against high network loads (e.g. IP storm). Manual change of settings required by user, if higher non-real time traffic should be accepted.

Product	Deliverable	Version	Date
apSwitch Field (GSA-XX-020101)	<ul style="list-style-type: none"> - Firmware_apSwitch_Field V1-10.zip - Checksum: Firmware_apSwitch_Field V1-10.zip.sha256 	V1.10	30.6.2025
apSwitch Field FDI Package PROFINET V1.10	<ul style="list-style-type: none"> - apSwitch_Field_FDI_Package_PROFINET_V1.10.fdx 	V1.10	30.6.2025
apSwitch Field PA (GSA-XX-020111)	<ul style="list-style-type: none"> - Firmware_apSwitch_Field_PA V1-10.zip - Checksum: Firmware_apSwitch_Field V1-10.zip.sha256 	V1.10	30.6.2025
apSwitch Field PA FDI Package PROFINET V1.10	<ul style="list-style-type: none"> - apSwitch_Field_PA_FDI_Package_PROFINET_V1.10.fdx 	V1.10	30.6.2025

1. Features

- Initial product release – this is the first final released version and consists of numerous HW and SW modules
- Field switch with Industrial Ethernet
- External redundant power supply
- Field mountable in Ex zone 2, Devices in Ex zone 1 and 0
- ATEX Ex II 3(1) G Ex ec ic [ia Ga] IIC T4 Gc
- IECEx Ex ec ic [ia Ga] IIC T4 Gc
- 2 x 100BASE-TX (RJ-45) + 2 x 100BASE-FX (SFP, optional)
- PROFINET enabled switch with support for PROFINET MRP ring topology
- PROFINET conformance class B
- Detailed diagnostics (ports, power supply, temperature, ...)
- FDI package
- Integrated web server and local display

Specific only for version **apSwitch Field PA (GSA-XX-020111)** :

- 16 spur ports (16 class A) with PROFIBUS PA device support via PA proxy

Specific only for version **apSwitch Field (GSA-XX-020101)**:

- 16 spur ports (12 class A, 4 class A+B)

