

CPU 9442/3x and PM 9445/3x - Firmware Release Notes

SWU 01.01.03		Release Date 23.05.2023
New Features	--	--
Bugfix	PM	<ul style="list-style-type: none"> Correct calculation of current in Zone 1 PM
Known Bugs	CPU	<ul style="list-style-type: none"> 9468/ and 9469/ with 8AO + 4 HV or 8 AO + 8 HV does not work - Configure module as 8AI/AO + HART PV
Remarks	Firmware identical to version SWU 01.00.25, only PM firmware changed	

SWU 01.01.02		Release Date 16.05.2023
New Features	--	--
Bugfix	PM	<ul style="list-style-type: none"> Update of all power module firmware versions to this version is possible
Known Bugs	CPU	<ul style="list-style-type: none"> 9468/ and 9469/ with 8AO + 4 HV or 8 AO + 8 HV does not work - Configure module as 8AI/AO + HART PV
	PM	<ul style="list-style-type: none"> Current of Zone 1 PM not correct. Maintenance LED can be switched on - Update to 01.01.03
Remarks	Firmware identical to version SWU 01.00.25, only PM firmware changed	

SWU 01.01.01		Release Date 03.05.2023
New Features	--	--
Bugfix	PM	<ul style="list-style-type: none"> use correct temperature correction in current measurement PM zone 2
Known Bugs	CPU	<ul style="list-style-type: none"> 9468/ and 9469/ with 8AO + 4 HV or 8 AO + 8 HV does not work - Configure module as 8AI/AO + HART PV
	PM	<ul style="list-style-type: none"> PM with FW < 01.00.25 cannot be updated and will switch of power. - restarted using separate power supply (using SWU 99.00.00) - updated to 01.00.25 prior - If updated once to 01.01.01 or later, any update is possible
Remarks	Firmware identical to version SWU 01.00.25, only PM firmware changed	

SWU 01.01.00		Release Date 04.04.2023
New Features	PM	<ul style="list-style-type: none"> Improved load balancing in redundant mode Switch output off faster if power is disconnected add support for new PM Z1 Use constant output voltage while in boot mode
Bugfix	PM	<ul style="list-style-type: none"> Problem with firmware update solved. Some PM got stuck in download mode and switched output off
Known Bugs	CPU	<ul style="list-style-type: none"> 9468/ and 9469/ with 8AO + 4 HV or 8 AO + 8 HV does not work - Configure module as 8AI/AO + HART PV
	PM	<ul style="list-style-type: none"> PM with a FW < 01.00.25 cannot be updated and will switch of power. - PM can be restarted with a separate power supply (use SWU 99.00.00) - If system is updated to 01.00.25 prior, it can be updated to 01.01.00 Skipped temperature compensation of current measurement PM zone 2, values in webserver too high
Remarks	Firmware identical to version SWU 01.00.25, only PM firmware changed	

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SWU 01.00.25		Release Date 23.11.2022
New Features	CPU	<ul style="list-style-type: none"> • Password reset
	PM	<ul style="list-style-type: none"> • Switch off red. PM while other PM is in update. • Serial firmware download of redundant PM
Bugfix	CPU	<ul style="list-style-type: none"> • Improved redundancy switching • Webserver <ul style="list-style-type: none"> - Show DI instead of DO, fix text - Correct display of CPU zone 1
	PM	<ul style="list-style-type: none"> • Fixed power on problem • Serial firmware download • Switch off PWR OUT LED if power supply of PM is removed
Known Bugs	CPU	<ul style="list-style-type: none"> • 9468/ and 9469/ with 8AO + 4 HV or 8 AO + 8 HV does not work <ul style="list-style-type: none"> - Configure module as 8AI/AO + HART PV
Remarks		

SWU 01.00.24		Release Date 28.03.2022
New Features	CPU	<ul style="list-style-type: none"> • HART communication over backup CPU • Add support for virtual COM port • Add OPC UA demo mode in standard CPU • Add NTP support • Add global data (field station name, location, comments....) available in both redundant CPU • Add support for IOM redundancy • Add PROFINET extensions • Improved Web diagnostics • Licenses loadable via webserver • Add support for HEX decoders of socket (9496)
Bugfix	CPU	<ul style="list-style-type: none"> • Extend PROFINET to 1024 Bytes • Boot from sockets from factory (empty sockets)
	PM	<ul style="list-style-type: none"> • Improve PM redundancy
Known Bugs	PM	<ul style="list-style-type: none"> • Power on problem may occur
Remarks	--	

SWU 01.00.23		Release Date 26.10.2020
New Features	--	--
Bugfix	CPU	<ul style="list-style-type: none"> • Optimize timeout on backplane
Known Bugs	--	--
Remarks	--	

SWU 01.00.22		Release Date 22.09.2020
New Features	CPU	<ul style="list-style-type: none"> • Webserver extended history • Webserver timesync with PC • IS1+ Virtual Com port support
Bugfix	PM	<ul style="list-style-type: none"> • no maintenance alarm of red. PM, with a switched off PM
Known Bugs	CPU	<ul style="list-style-type: none"> • Update from SWU 01.00.21 requires a power on to show correct PM information
Remarks	No official release	

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SWU 01.00.21		Release Date 09.07.2020
New Features	CPU	<ul style="list-style-type: none"> • PROFIBUS DP • New PROFINET stack
Bug Fixes	CPU	<ul style="list-style-type: none"> • Webserver
Known Bugs	--	--
Remarks	--	

SWU 01.00.18		Release Date 19.03.2020
New Features	CPU	<ul style="list-style-type: none"> • PROFIBUS DP
Bugfix	CPU	<ul style="list-style-type: none"> • PROFIBUS DP • Webserver
Known Bugs	--	--
Remarks	--	

SWU 01.00.17		Release Date 11.02.2020
New Features	--	--
Bugfix	CPU	<ul style="list-style-type: none"> • Synchronization between redundant CPU • Webserver
Known Bugs	--	--
Remarks	--	

SWU 01.00.16		Release Date 11.09.2019
New Features	--	--
Bugfix	CPU	<ul style="list-style-type: none"> • Synchronization between redundant CPU
Known Bugs	CPU	<ul style="list-style-type: none"> • HART over PROFIBUS DP not working • No slave startup on PROFIBUS DP • RS485 only point to point connection
Remarks	--	

SWU 01.00.11		Release Date 06.02.2019
New Features	CPU	<ul style="list-style-type: none"> • All protocols implemented
Bugfix	CPU	<ul style="list-style-type: none"> • Synchronization between redundant CPU
Known Bugs	CPU	<ul style="list-style-type: none"> • No HART communication on inactive CPU • No update of inactive CPU if other CPU is active • RS485 only point to point connection
Remarks	--	

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