

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)
	PM	<ul style="list-style-type: none"> • Improve PM redundancy
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"> • Power on problem may occur
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
	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
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
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
New Features	--	--
Bugfix	CPU	<ul style="list-style-type: none"> • Synchronization between redundant CPU • Webserver
Known Bugs	--	--
Remarks	--	

SWU 01.00.16		Release Date
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
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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