

Mini8® Loop Controller Release number HA033672-7



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1 Changes

1.1 Changes in version V5.27

Release Date: September 2024

New Features:

Maintenance release only.

Security Updates:

None in this release.

Compatibility Notes:

- V5.27 EtherCAT will not support the migration of legacy pre V5.25 Mini8 EtherCAT configuration clone files. There is no backward compatibility past V5.25
- It should be noted that the upgrade of existing units running firmware pre V5.25 are not supported in the field. To upgrade a pre V5.25 Mini8 unit to V5.27 will require the return off the unit to the nearest Eurotherm service centre.

Items Resolved:

Ticket	Summary
MINI8-1071	Remove NVOL writes from interrupt service routines
MINI8-2	NaN PV Generation and Management implemented
EXT-6473	EtherCAT goes into standby with "Invalid RAM image of NVOL"
EXT-6323	I/O cards taken from a Mini8 V5.x report as not calibrated when fitted to a unit running V3.x
EXT-6502	EtherCAT TC Anomaly in Parse Wiring Algorithm to Validate Associations
EXT-6470	Shock chamber TC4 issue, at over high temperatures causes invalid input reading

1.2 Changes in version V5.25

Release Date: March 2024

New Features:

Firmware Signing, Serial Upgrade Tool, EtherCAT FoE.

Security Updates:

None in this release.

Compatibility Notes:

- V5.25 EtherCAT will not support the migration of legacy Mini8 EtherCAT configuration clone files. There is no backward compatibility.
- It should be noted that the upgrade of existing units running firmware pre V5.25 are not supported in the field. To upgrade a pre V5.25 Mini8 unit to V5.25 will require the return off the unit to the nearest Eurotherm service centre.

Items Resolved:

Ticket	Summary
MINI8-937	IO PV status doesn't match ENUM_PVStatus.h
MINI8-946	3500e Stops writing values at first block invalid write
MINI8-982	Different ESI Filename for SIMULATION and REAL device with the same Clone File
MINI8-798	TimeDP parameter should be cloneable
MINI8-955	Enumerated user OD parameter with only one enumeration Off(1) fails to load in TwinCAT.
MINI8-961	Mini8 CommsTab not displayed correctly in iTools
MINI8-972	Unwired CommsTab entry should not default to SCADA table mapping when using DeviceNet
MINI8-973	Align enumeration mapping between IO and EPC alarms
MINI8-974	Fix sensor break value fluctuation
MINI8-978	Fix calculated checksum 0xFBF3
MINI8-979	EtherCAT 0xFBF3 checksum method conflict between ESI and device
MINI8-1007	Empty Recipe Synchronisation Instructions Causing Server Error
MINI8-1015	Make IO.Mod.x.ElectricalFormat alterable in Configuration mode

1.3 Changes in version V5.21

Release Date: February 2024

New Features:

Maintenance release only.

Security Updates:

None in this release.

Items Resolved:

Ticket	Summary
EXT-6305	PDO writing out-of-range values to 0x7000:11 Loop TSP should not require MINI8 reset
MINI8-885	EtherCAT master reports "No valid firmware" fault code 14

1.4 Changes in version V5.20

Release Date: July 2023

New Features:

Support for EtherCAT (ETG.5003.2060)

Security Updates:

None in this release.

Items Resolved:

Ticket	Summary
EXT-5961	Communications Tab warning, when downloading migrated clone file
MINI8-692	Modbus Client: Mini8 profile predefined parameter not being scaled properly
EXT-5950	CurrentMonitor settings previously configurable in Legacy Mini8 are not available in current Mini8

1.5 Changes in version V5.15

Release Date: November 2022

New Features:

Maintenance release only.

Security Updates:

None in this release.

Items Resolved:

Ticket	Summary
EXT-5928	TC4/TC8 input parameter values go to NaN after exit from configuration mode
EXT-5937	Unable to read alarm status value register via Modbus Comms due to incorrect data format
EXT-5913	Incorrect Modbus addresses displayed in iTools
EXT-6010	Assigned scaled integer Modbus addresses to LIN32 instances 5 to 8
MINI8-413	Modbus Master parameters are now loaded from the clone file
MINI8-468	SCADA address reference table now references missing cells
MINI8-433	Improved parameter help
MINI8-787	Config Clip connection on cold-start is being unloaded by iTools

1.6 Changes in version V5.10

Release Date: June 2022

New Features:

Maintenance release only.

Security Updates:

None in this release.

Items Resolved:

Ticket	Summary
MINI8-634	Increase CommsTab Modbus upper limit
MINI8-506	Corrupt custom Lin Tables during clone creation at PLATE
MINI8-639	FRAM read issue

1.7 Changes in version V5.04

Release Date: January 2022

New Features:

New Product first release.