Release Notes

Perception & GEN Series Firmware   **Version v8.52**

HBK
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Contents

1 Update information

These release notes describe changes in Perception (including GEN series firmware) V8.52.

2 Mid and long-term support roadmap

Starting with Perception V8.00 some legacy features, mainframe and card support are no longer present. (A Perception V7.6x maintenance version is available for critical bug fix support.)

2.1 Supported on latest Windows versions

Including all updates until June 2023:

- Windows 10 Pro 1607 and higher (64 bit only)
- Windows 11 Pro

Installation requirements:

- Dot Net Framework V4.8 (distributed with the install CD and available for download on the internet)
- Microsoft Direct3D® capable graphics card.

2.2 Downgrade

Perception V8.52 can be downgraded to the following versions.

Note: When an EtherCAT card is installed, a downgrade to any version before V8.28 must go through version V8.28 first.

- Perception V8.50
- Perception V8.4x
- Perception V8.3x
- Perception V8.2x
- Perception V8.1x
- Perception V8.0x
- Perception V7.6x
- Perception V7.5x

3 Perception Versions

Version	Description	
	Perception Standard	Free
1-PERC-AD-0x	Perception Advanced	Paid
1-PERC-VA-0x	Perception Viewer Enterprise	Paid
1-PERC-E64-0x	Perception Enterprise	Paid

Perception supports the following application extensions:

Version	Description	
1-PERC-OP-EDR	eDrive application (setup, live and efficiency mapping table)	Paid
1-PERC-OP-STL	Advanced High Voltage/High Power analysis according STL standards	Paid
1-PERC-OP-HIA	High Voltage Impulse Analysis	Paid
1-PERC-OP-CSI	CSI Runtime extensions (Customized Software Interfaces)	Paid

4 Known Issues

Perception settings	Mainframe settings changed via the Fieldbus remote control are not updated in the UI. Reconnecting to the mainframe will show the changes.

5 Improvements

5.1 Improvements in Perception

No special license for RTFDB on CAN inputs	A special license to allow processing CAN signals in the RTFDB is no longer required.

5.2 Support items and requests

CAN bus stopped unexpectedly	SUPEPT-218	A problem where the CAN bus stopped unexpectedly is solved.
New type of Peak CAN dongle was not accepted	SUPEPT-274	A new type of of Peak CAN dongle with a new chip is now also accepted.
NaN in log file when doing processing	SUPEPT-308	When using one of the FDB functions (CycleFundamental) the output may give NaN. This problem is solved.
Freeze when duplicating signals for automated recording processing	SUPEPT-315	The system is made robust against selecting the same signal multiple times when doing automated recording post-processing.

6 Deprecated support

The following is no longer supported within Perception:

- GPS2750

7 Supported Genesis HighSpeed Mainframes

The following Genesis HighSpeed Mainframes are supported:

- GEN2tB
- GEN3t
- GEN4tB
- GEN7tA
- GEN17tA
- GEN3i
- GEN3iA
- GEN7i
- GEN7iA
- GEN7iB
- GEN7tB
- GEN17tB
- BE3200

8 Supported QuantumX Modules

Note: The support of QuantumX Modules in Perception will stop with future versions of Perception! QuantumX modules can be integrated in systems with tethered mainframes using the CAN-interface together with a QuantumX MX471C.

The following QuantumX models are supported:

- MX1609KB
- MX1609TB
- MX471B
- MX809B
- CX27B as single network access point only, no setup or control of CX27B

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