RELEASEnotes

1 Version 8.08

1.1 Update information:

These release notes describe changes between Perception (including GEN series firmware) versions

V8.06.21018 and V8.08.21077

1.2 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)

1.2.1 Supported on latest Windows versions

Including all updates until July 2020:

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

Installation requirements:

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

1.2.2 Downgrade

Perception V8.0x can be downgraded to the following versions.

- Perception V7.6x
- Perception V7.5x

1.3 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

1.3.1 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

1.4 New Features

CAN acquisition control	CAN messages to control acquisition have an incoming message request and an outgoing confirmation message. Both messages now have a separately configurable message ID.

1.5 Improvements

ePower Suite	• Some workbench loading improvements • Improved TimerCounter channel setup for 'Use reference pulse' scenario • Improved 'Start and stop trigger on cycles' handling of real-time formulas • Event channel storage setting was wrongly affected upon Perception disconnecting from mainframe
Exporting data	Exporting data now properly supports recordings where certain channels have no data at all
RPC methods	GetAsyncRTFDBValues() now properly returns full list rather than a smaller subset
Robustness	Solved spontaneous mainframe reboot scenario
Configured boot	In rare cases some channels from the GN31X cards were incorrectly initialized upon booting with a configured boot setup. This resulted in potentially clipped values.
Workbench	• Manually configured mainframes are now fully supported in all workbench-related scenarios • External trigger in setting now properly persisted • Channel range settings in context of ePowerSuite and applied sensor now properly restores

1.6 Supported Genesis High Speed platforms:

- GEN2tB
- GEN3t
- GEN4tB
- GEN7tA
- GEN17tA
- GEN3i
- GEN3iA
- GEN7i
- GEN7iA
- BE3200

1.7 Supported QuantumX Modules:

NOTE: Due to the latest developments on the GEN DAQ hardware and the availability of Thermocouple inputs and CAN interfaces within the GEN DAQ mainframe itself we will not develop the QuantumX integration any further.

No new QuantumX modules will be supported, and no new features will be added to the QuantumX support.

As soon as the integrated CAN interface for GEN DAQ mainframe is available (Q2/3 2021), and a mainframe with this interface is used, MX 471 can no longer be used (as not needed any longer).

Currently still supported QuantumX modules:

- MX1609KB
- MX1609TB
- MX471B / MX471C
- MX809B
- CX27B as single network access point only, no setup or control of CX27B

Data streaming is available for all other B type or later QuantumX modules.

Note: Perception includes and only works with the following QuantumX software components
QuantumX firmware: V4.12.32.0
HBM common API: V4.0.0.56

Patents no: 7,868,886

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