

RELEASEnotes

Perception & GEN Series firmware V6.30.12297

These release notes are:

Perception:

from V6.20.12083 to V6.30.12297

GEN series firmware:

from V6.20.12083 to V6.30.12297

Firmware release notes are an integral part of the software and these release notes.

Supported/Tested Windows 32 bit versions:

- Windows XP Service Pack 3
- Windows Vista Business SP2
- Windows Vista Ultimate SP2
- Windows 7 Ultimate SP1
- Windows 8 Pro

And Windows Updates until 11th September 2012.

Supported/Tested 64 bit versions:

- Windows XP Service Pack 2
- Windows Vista Business SP2
- Windows Vista Ultimate SP2
- Windows 7 Ultimate SP1
- Windows 8 Pro

And Windows Updates until 11th September 2012.

Supported/Tested Genesis High Speed platforms:

- GEN7t
- GEN16t
- GEN5i
- GEN2i
- LIBERTY4
- LIBERTY8
- ISOBE5600

All Perception versions require Dot Net Framework V4.0 which will be distributed with the install and is also available for download on the internet.

All Perception versions also require a Microsoft Direct3D® capable graphics card.

LIBERTY is supported in maintenance phase.

RELEASEnotes

This version is distributed using the following editions:

- 1-PERC-ST Standard Edition
- 1-PERC-E64 Enterprise Edition
- 1-PERC-PRO Professional Edition

The following options are part of this version:

- 1-PERC-OP-MWB Multiple Workbooks
- 1-PERC-OP-MEX Multiple Exports formats
- 1-PERC-OP-MMF Multiple Mainframes
- 1-PERC-OP-AN Analysis (Formula database)
- 1-PERC-OP-RP Reporting & Word Reporting
- 1-PERC-OP-IF SOAP & RPC Interface
- 1-PERC-OP-VP Video Playback
- 1-PERC-OP-CSI-2 CSI Runtime
- 1-PERC-OP-STL Advanced High Voltage/High Power analysis (STL)
- 1-PERC-OP-IS Customized Info sheets
- 1-PERC-OP-HHP HP-HV Automated Analysis
- 1-PERC-OP-BE BE256 / MultiPro Control
- 1-PERC-OP-BFFT Basic FFT
- 1-PERC-OP-HIA HVIA
- 1-PERC-OP-SEQ Sequencer
- 1-PERC-OP-SDB Sensor Management

IMPORTANT: The following options have been revised:

1-PERC-OP-CSI-2 CSI Runtime

The API available for CSI has been changed and is no longer fully backward compatible. Please refer to the CSI help file for specific details on these changes.

1-PERC-OP-IF SOAP & RPC Interface

The API available for RPC has been changed and is no longer fully backward compatible. Please refer to the RPC help file for specific details on these changes.

RELEASEnotes

The following features have been added:

Perception:

- 9492 Information sheet: reset required field on start of recording
- 10070 Calibration Information Availability within Data Sources
- 10197 Gen2i: Add „Comment“ field for GEN2i - UI
- 10203 Add preference entry to start Perception in Instrument GUI
- 10264 GEN2i UI: Add "record for n seconds after start" feature in continuous mode
- 10348 Make Y-annotation per tick in Yt display available as a display option in instrument panel mode
- 10388 GEN2i: Enable "Group/Ungroup cursor"
- 10423 Recorder / Time base grouping
- 10466 Add Sensor Database option to Perception
- 10481 GEN2i IP needs Balance button
- 10528 Hardware diagnostics sheet
- 10531 Add "Zero Button" to Perception and GEN2i user interface
- 10577 eDRIVE project: Counter / Timer channels meters show always an actual value
- 10637 Add import of plain ASCII and ASCII CSV datasets
- 10669 Add formula function wizard
- 10678 Read pVWB with the PNRF Reader
- 10722 Allow up to 1000 lines within a user table
- 10723 Allow partial reporting of user tables
- 10961 Qualify Perception on Windows 8
- 10965 Add CycleMath functions to formula database

GEN Series firmware:

- 10444 Improve continuous recording behavior for 20MS/s, 25MS/s, 200kS/s and 20kS/s boards
- 10456 Need support for the 4GB SODIMM on the 250kS/s, 25MS/s and 100MS/s boards
- 10569 eDRIVE project: Add 2nd Counter / Timer to 32 ch board Dig I/O
- 10587 Exceeding System temperatures should send warning messages to Perception
- 10667 Add iSCSI option to Gen Series IM2
- 10668 Add a 10G bit Ethernet support for IM2
- 10698 Support TEDS on IEPE sensors for 1-GN3210-2 and 1-GN1610-2
- 10699 Add Elliptic filters to 1-GN3210-2, 1-GN3211-2, 1-GN3210-2 and 1-GN1611-2 (Includes Band pass option)

RELEASEnotes

The following improvements have been made:

Perception:

- 10056 Change Extension Choice for Team Data File import
- 10058 GEN2i REPORT hardcopy improvement: Print Meter range
- 10059 GEN2i REPORT hardcopy improvement: Print title for CURSOR
- 10315 TC color code should have a preference for ANSI vs IEC
- 10373 Perception Control panel should limit sample rate to slowest board
- 10408 Perception 64 bit can be installed without 64 bit option
- 10434 Can't have the word "a" in a comment
- 10440 Print settings by default should have all settings on
- 10482 GEN2i Instrument Panel should support foreign languages: German, French, Chinese, Japanese
- 10532 Improve the text of the German message when maintenance is expired
- 10559 GEN2i: Display all data at end of recording option not remembered as part of setup
- 10560 Channel/Recorder enable setting requires 3 clicks in settings sheet
- 10679 Show Technical Unit Multiplier, Technical Unit Offset and Technical Unit only in the "Input" Settings
- 10687 Data loss during "experiment copy" process
- 10707 eDRIVE project: RPM and rpm should be smart units
- 10719 eDRIVE project: Set FFT display to AUTO y-Axis at default
- 10732 Duplicate "Type" column being in Settings - General - Analog Channel also in Settings - General - Mainframe
- 10733 Add "Nominal input capacitance" to advanced analog channel settings
- 10742 Replace single shot functionality with normal start recording.
- 10743 RPC: Single shot command no longer available
- 10861 Improve tooltips for new sensors
- 10862 Sensor database has empty toolbar
- 10873 Data Sources Window is slow when many data source change events happen
- 10779 Integrate online help for FFT

GEN Series firmware:

- 10588 Label internal network connection on GEN2i and GEN5i

RELEASEnotes

The following errors have been fixed:

Perception:

- 7421 Fiber warming up status and Master/Slave status not always up to date.
- 9530 Typo in descriptive text of @IntLookup12 in Formula database
- 9598 Problems with display markers when restoring a display
- 9905 GEN2i: Printing a report lacks grid if enabled in display
- 9940 Touch screen Display remains in Review Sweep mode after load a stored recording on the GEN 2i
- 10217 GEN2i IP channel list of meters can overflow
- 10221 Connect to Sequencer and start sequence produces Error code11
- 10331 FFT slope cursor jumps to start of data if number of lines is changed
- 10395 With absolute time mode in display, no data shown when recording is loaded
- 10397 Add STATSREAM trademark remark to software
- 10490 Display shows incorrect local time when DST has switched
- 10497 RealTek network driver results in data integrity and other problems on GEN2i
- 10502 SAVE A COPY AS does not save embedded video
- 10503 dY/dT trigger: Level settings are not per second but per selected delta time window.
- 10506 Save a Copy As doesn't save hardware settings
- 10509 cannot load example video file
- 10512 GEN 2i cant reboot completely after power failure when maintenance message appears
- 10514 GEN2i: Grid On / Off should be OFF as Factory Defaults
- 10537 Digitizer settings in the HV-IA GUI are not fully visible
- 10543 Loading a recording does not automatically recalculate and display markers
- 10546 Perception crashes when printing settings to PDF file which is in use
- 10566 GEN2i: strange display setting and wrong scaling after electrical power failure
- 10568 FlexPRO export DLL's create version conflict with Flexpro V8 and higher
- 10570 Incorrectly saved 16t offline configurations allow only 7 recorders to be enabled after loading
- 10571 VWB not loaded correctly if channel has amplifier mode other than Basic
- 10597 Cursor jumps to begin of recording when moving cursor into Zoom window after end of recording
- 10602 Mainframe over temperature alert looks funny

RELEASEnotes

- 10612 HVIA Date and time per test are not restored
- 10615 Prevent the start of software update in the GEN2i UI when system is out of maintenance
- 10618 FFT frame size is accepted wrong - two times too big
- 10626 Terminal shutdown should be Thermal shutdown
- 10629 Hic uncertainty too large according to BIVV
- 10630 FFT Display : Stability improvements required
- 10639 1st Trigger missing from recording review
- 10640 HVIA when changing comment this modification is not stored into collection
- 10644 GEN2i Compact Flash is visible as drive after restoring image
- 10647 Perception Report auto setup does not work (any longer) with GEN2i
- 10650 When IM2 FPGA image is corrupt, upgrades will fail due to double upgrade requirement ignored by Perception
- 10655 Trigger hysteresis settings is missing in Instrument Panel GUI
- 10659 Circular buffer time reverts to previous value unless recording is started from the Control Panel
- 10660 Wrong file listed as Active Recording in the lower right hand corner of Perception
- 10686 GEN2i UI: Settings table "Copy" and "Copy to" do not copy all relevant info to destination channels
- 10693 No traces in report display
- 10709 Formula database offline filter still create artifacts on long waveform
- 10724 FFT Display freezes after accessing the display setup pages
- 10728 Unclear Install selection when using CUSTOM INSTALL
- 10731 STLEXPrestDC provides wrong results
- 10746 Y-anno per tick: Not always properly updated
- 10749 Live time display, FFT display and X/Y display can cause memory leak
- 10750 eDRIVE project: Optional parameters in the formulas are NOT optional
- 10757 GEN2i: Delete and Load dialogs do not show recording names if too long
- 10778 PNRF file's time/date stamp changes to current day after reviewing file
- 10784 Licensing: not possible to create a 'professional Perception', similar to current enterprise, but without 64-bits option
- 10796 Bridge balance display page goes black everytime the gauges are balanced
- 10800 Gen2i optical network port has none editable network settings in Perception

RELEASEnotes

- 10801 GEN2i : When Acquisition hardware is used by another mainframe, the Perception software waits to be able to connect to this hardware
- 10802 External connection to GEN2i is forced and not de-selectable
- 10806 Spreadsheet: Move the 2 output settings of the event connectors to advanced settings.
- 10807 Settings sheet: Timer/Counters selection in Trigger and Alarm setup section
- 10843 Access violations caused by messages while destroying engine or driver objects
- 10844 Frame rate of video file not stored if changed
- 10863 GEN2i Instrument Panel - Min / Max and Pk2PK value does not show expected values
- 10908 'GetDiskInfo' sometimes returns info that suggests we are out of disk space while we are not. Workaround needed
- 10926 GEN2i Instrument Panel - Min / Max and Pk2PK value does not show values as described in the manual
- 10946 Meters: limit option, color settings are not possible

GEN Series firmware:

- 10515 Generate notification when backplane version is inconsistent
- 10563 Unwanted range clipping in setting sheet
- 10575 32 ch board filter selection shows SIGMA DELTA FILTER, should be SIGMA DELTA WIDEBAND instead
- 10576 Upper lower values of Bridge channel are calculated using an Offset, which they don't have
- 10613 Continuous - Stop on Trigger settings allows "lead out" to be larger than "length"
- 10628 IM2 will not recover after perception crash.
- 10641 Selecting DHCP on IM2 doesn't update IPMASK
- 10741 100MS/s fiber receiver modules doesn't start-up correctly
- 10780 Unexpected Firmware Upgrade
- 10799 Gen Series crash when using fixed IP address settings
- 10833 Live FFT can causes ESW crash
- 10911 GEN Series will not boot when only optical cable is connected

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