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THIS IS A NEW SOFTWARE PRODUCTION PACKAGE

All AccurET / UltimET products shipped from June 24th 2013 will contain the versions described below.

This software package will allow our customers to benefit from:

- Advanced gain scheduling in AccurET.
- Sequence debugger in ComET.

Note concerning the System Configuration Manager: this package is required to ensure compatibility from AccurET hardware Revision 1 to Revision 2.

Note on production release for the AccurET/UltimET product family:

Please note the new software package installed in production from June 17th 2013 on our products contains the following versions:

- AccurET Firmware for AccurET 48 / 300/ 400-600 /VHP48 : 2.07A
- UltimET Firmware for UltimET PCI / TCPIP : 2.07A
- ComET on software CD : 2.11A (32bits application)
- EDI versions compatible with this package :
 - 3.16A (32bits)
 - 4.01A (32bits and 64bits)

This package is referenced in TIS Document Nb: 771421 ver./rev. 02/A

1 EDI 4.01A

LIB 4.01A,EKD 4.01A,DMD 4.01A,ETB 4.01A,ESD 4.00B,DSA 4.01A,TRA 4.00B,ETN 4.00B,
ESC4.01A(Only for 32Bits version)

1.1 News

| | |
|---------|---|
| GENERAL | AccurET and UltimET version 2.07 supported |
| DSA | A new function has been added: - dsa_start_delayed_rtv_handler() |
| | .NET interface implements now DsaIpolGroup.IpolGetIpolGroup which returns the interpolation group number of an Ipolgroup object |
| | Status bit definition has been modified to fit AccurET definition |
| DSA/ETB | A new status bit (exec_sequence_thread) has been defined. This bit can be accessed by DSA_STATUS.drive.exec_seq_thread or DSA_STATUS.ultimet.exec_seq_thread. This status bit is 1 if one of the threads defined in K297 (mask) is in execution. It is possible to wait on this status bit like for other status bits using dsa_wait_status_...() functions |
| EKD | LINUX: Accessing a UltimET PCI does no more request "root" privileges. This new feature request UltimET PCI driver pcteb40 |
| DMD | A new function has been added: bool _DMD_EXPORT dmd_is_master(int prod) DMD_FAMILY _DMD_EXPORT dmd_get_prod_family(int prod) |

1.2 Corrected bugs

| | |
|---------|---|
| GENERAL | Debugging a .NET application using EDI could generate a /PInvoke error on 32bits system. This is now corrected |
| ESD | Downloading a pre-compiled sequence file did not function correctly. This followed into a ERROR -2509 : bad file format. This is now corrected |
| DSA | <p>System Configuration Manager handles now AccurET REV1-REV2 compatibilty from firmware version 2.06C.</p> <p>The following functions are not available for RTX nor POSIX systems The firmwares are taken from the sub-directory "fw" of the directory containing the dll (for fw version 2.06C and further)</p> <ul style="list-style-type: none"> - dsa_system_configuration_backup() - dsa_system_configuration_download() - dsa_device_configuration_backup() - dsa_device_configuration_download() <p>The following functions are not available for RTX systems For backup and download, the firmwares are taken from the specified sub-directory (for fw version 2.06C and further)</p> <p>Functions:</p> <ul style="list-style-type: none"> - dsa_system_configuration_check_hardware() - dsa_system_configuration_check_software() - dsa_system_configuration_backup_fw_pool() - dsa_system_configuration_download_fw_pool() - dsa_device_configuration_backup_fw_pool() - dsa_device_configuration_download_fw_pool() |
| | Function dsa_get_warning_code_... () were accessing M621 for UltimET, too. This is now corrected and M66 is accessed instead |

| | |
|---------|---|
| ESC | <p>The pre-processor #define tag was replacing the tag into comment, too. This is now no more the case.</p> <p>In some situation, where many #define were defined, it could lead to some strange compilation error, especially in the case like:</p> <pre>#define AXIS 0 #define AXIS1 1</pre> <p>This is now coorrected, too</p> |
| DSA/TRA | HTML documentation updated (remove of references to DMD_TYP_REALTIME and DMD_TYP_SEQUENCE) |
| EKD | It was not possible to open UltimET PCI with 64 bits version using old PCI driver 10.21. This is now possible |

2 EDI 4.00A

LIB 4.00A,EKD 4.00A,DMD 4.00A,ETB 4.00A,ESD 4.00A,DSA 4.00A,TRA 4.00A,ETN 4.00A,
ESC4.00A(Only for 32Bits version)

2.1 News

| | |
|---------|---|
| GENERAL | AccurET and UltimET version 2.07 supported |
| DSA | A new function has been added: - dsa_start_delayed_rtv_handler |
| DMD | Add new conversion functions for force controll |

2.2 Corrected bugs

| | |
|-----|--|
| ESD | Downloading a pre-compiled sequence file did not function correctly. This followed into a ERROR -2509 : bad file format. This is now corrected |
| DSA | Functions have been removed: - dsa_set_float_register_s - dsa_set_float_register_a - dsa_get_float_register_s - dsa_get_float_register_a These function accessed to F register which is not present on AccurET family |

3 EDI 4.00beta (12.11.2012)

LIB 4.00beta,EKD 4.00beta,DMD 4.00beta,ETB 4.00beta,ESD 4.00beta,DSA 4.00beta,TRA 4.00beta,ETN 4.00beta,ESC4.00beta(Only for 32Bits version)

3.1 News

| | |
|---------|--|
| GENERAL | EDI4.xx is available as Windows native 64 bits dll. Windows 32 bits is also supported with EDI4.xx |
| | EDI4.xx does not support old DSC-DSMAX family. For DSC-DSMAX family, EDI3.xx must be used |
| | EDI4.xx native 64 bits is not able to compile ETEL sequence. ETEL sequence must be pre-compiled using ComET or 32-bits application |
| | New UltimET PCI-driver 11.1.0 and new USB driver 2.8.14 |
| | Compiled with VisualStudio2010 |

3.2 Corrected bugs