

140CPU65150, 140CPU65160 and 140CPU65260 firmware history



Version #	Enhancement		
	OPR/PCR #	Vantive Case #	Description
V3.12	PEP0106590R	1481524	Fixes the problem of IO system word in case of S800 used, %S118 is correctly managed.
	PEP0084889R		Add of run/stop protection mode on HE CPU Quantum, no run/stop command allowed while key switch is locked (memory protection is ON).

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V3.10	20048372/PE P0047851R	Vantive 1326796	Fix DiagViewer that does not display messages and symbols for instances bigger than 254 in a single section
	PEP0069515R	bFO 01266155	Fixes a CPU error if high frequencies are applied on HLI inputs (error code EC02).
	PEP0068930R	bFO 01307949	Fixes the problem of the management of the four words dedicated to the MBP_MSTR function block diagnostic using the function code 9 .

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V3.00	None	-	New features and improvements for Data Dictionary.
	None	-	Integration of the Quantum Ethernet IO offer.
	20047829	-	Fixes a CPU error when build changes is done after refining a DFB (error code EC0E).
	PEP0023023R	-	Adds new operation code 15 (Modbus request) in the use of MSTR bloc function.
	PEP0029147R	-	Improves the capacity for Modbus client messaging up to 125 registers.
	PEP0035044R	1247495	Fixes NOE reboot issue on stop/run transition.
	PEP0035176R	1253065	New option in Unity Pro V6.0 to reset %M after a warm start and a stop.
	PEP0036399R	-	Fixes a refresh problem in Data Dictionary for variable names starting by a number e.g.: 1_XX.
	PEP0038276R	1250784	Fixes a CPU error following a on line modification of a DDT variable.
	PEP0038570R	1283576	Fixes flickering leds on DDO36400 configured on main rack.
	00053243	-	New MBP_MSTR sub function (16) to provide the ability to close an IP connection on Ethernet Copro.
	00055304	-	Fixes an issue on DDO Fallback mode after a CCOTF modification.

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V2.80	PEP0023524R	-	Allows configuration changes on the fly (CCOTF) on Quantum PLC (needs synchronization with Unity Pro V 5.0, CRP firmware version 2.0 and CRA firmware version 2.0)
	20045638	-	Improves NOE's performances with OFS Server (up to 12 messages of 1024 bytes per PLC scan) (needs synchronization with Unity Pro V 5.0 and NOE V4.60)
	PEP0026068R	1181411	Improves the CPU robustness in case of wrong OFS requests (bad size of the requests)
	PEP0024446R	1164695	Improves the CPU robustness in case of a corrupted Unity Application
	PEP0026311R	1179797	Fixes a randomly non update of %SW50 to %SW53 time and date words via %S50
V2.70	PEP0017168R	1113564	Improves the operating mode of XXMIT block, especially after XXMIT block parameter changes
	PEP0015691R	-	Fixes a random bad display of the Mac Address on Quantum LCD display after a power on in No Conf state
	PEP0015477R	1046800	Fixes a CPU issue due to the use of a memory size of structured type instances higher than 1Mbytes
	PEP0014985R	1097690	Enables MBP_MSTR with Function Code 23 for TCP/IP on NOE modules
	PEP0013578R	-	Returns a correct error code in case of a reset sent by MBP_MSTR (function code 10) to the Ethernet embedded port
	20044842	1072807	Improves signal management (RTS/CTS) when XXMIT is used with modems
	20044469	-	Fixes an unexpected disconnection of Unity Pro when a lot of sections are open (in synchronization with Unity Pro 4.1)
	20040480	994155	Possibility to perform a cold start instead of a warm start through a new option in Unity Pro V4.1
	20043798	-	Solves an issue where after a cold start, warm starts behave as cold starts, when the "automatic start in Run" option is checked
	20043371	-	Fixes a bad display of the data in the PLC Screen under Unity Pro after the creation of a Fast or Aux task in online mode
	00046537	-	Fixes a bug of erasing the forced bits table when user unforces an input
	00045413	-	Fixes a bug in the change of a 140HLI34000 configuration parameter after a Build Changes in stop mode

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V2.61	20043797	1081706 1055139	Improves the robustness of the CPU against Scada wrong requests through OFS
	20043584	-	Solves an issue of LCD freeze in initializing phase at start up.
V2.60	20043584	-	Enhancement of the LCD Display behaviour during the initializing phase of the CPU
	20043792	-	Prevents from loading an application with 140CPU65160 declared in configuration into a 140CPU65260 processor
	00041994	-	Displays correctly the Copro version on LCD display
	20043400	1050503	Improve the behaviour of the %S16 bit to detect a failure of an IO Module
	20043384	1049610	Improve the forcing of 140DDI35300 inputs
	00039401	-	Improve the fallback management when "Maintain Value" is chosen in a MB+ Peercop configuration
	20040337	975251	Reset option enabled in MSTR function block for embedded Ethernet Coprocessor
	20040961	1002625	Improve the behaviour of the CPU if drop address above 65 is used on the 140NOG11100
	20041806	-	Implementation of Data Management (requires also synchronization with Unity Pro V4.0 and application level 2.6)
	20041892	-	Improvement of the behaviour of the CPU when PCMCIA is inserted
	20040715	999146	Possibility to change the IP address/subnet mask/ gateway by the keypad while the Processor is in No Conf Mode
V2.50	00039336	-	Memory management improvement when duplication of instance of EFB during change on line
	20037920	960780	New %S79 system bit: enables/disables to change value of forced bits through modbus SCADA requests
	20040555	997002	Corrects the behaviour of TON Function Block after a cold start
	20040552	996429	Avoids PLC to HALT in case of particular combination of SFC steps (MSTEP, Pjoint, OutStep)
	20039885	984839	Stabilizes application when executing imbrication of XOR logic
	20036685	939744	RTS/CTS control available by setting bit 5 in XXMIT command word using new RTS/CTS cables

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V2.41	20040658	993991	Keypad and LCD driver synchronisation
V2.40	20034789	919354	Display Ethernet controller firmware version in %SW150
	20034798	910764 935452	%SW50 updated every 200ms rather than every 1s
	00034773	-	Corrects Force/Unforce behaviour in Unity Pro monitoring application mode
	20036312	925187	Avoid double alarm display in the Magelis alarm viewer
	20034622	926593 906907	Synchronize NTP time and PLC RTC clock
	20032373	941265 851738	Modbus function codes 05 and 15 guarantee responses and avoid communication issues
	00032767	-	%SW48 counts the events generated by counting modules
	20037348	958360 952198	Allows the refreshment of Unity Pro animation table when deploy ComNS DDT
	00033354	-	RUN/STOP input is checked even when a RUN command is issued from Unity Pro PLC Screen
	20036432	-	%S21 set to 1 after power restart when Autostart option is configured

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V2.32	20024171	-	Firmware change according to new kind of RAMs
V2.31	20036980	945578	Increases robustness if on line modification is intensively used
	20036868	943932	DFB / EFB diagnostic messages enhancement for special logic in edges
V2.30	20024362	-	Xmit function available on Quantum Unity CPU
	20026019 20033593 20033607	894657 906522	Stabilizes CPU during the first scan cycle after PLC is powered on.
	20030123	939780 878810	Avoids PLC to HALT in case of use of SFC when MACRO combining parallel branches and simultaneous conditions (stop code SW125 = 0x93F4).
	20030402	881604	Temperature value provided by 140ARI03010 in a RIO rack is expressed according to the selected resolution.
	20031058	-	The MAC address returned by MBP_MSTR with code request 3 (read local statistic) is the right one.
	20032027	893240	Avoids untimely loss of I/O Interrupts when using 140HLI34000 module
	20033358	904997	Allows to insert modules in a random order in the backplane
	20033647	903545	'Update Init Values with Current Values' reduces the scan time increase.

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V2.23	20033892	911081 912272	Corrects a diagnostic function issue causing bits forced
	20033974	911810	Correction of wrong memory area initialization issue
V2.11	20029657	885109 874027	CPU Modbus plus port accepts more than 12 modules in a DIO drop.
	20028238	858833	OS loader allows to upload exec (OS) from Quantum PLC to PC
	20030379	883390 882652	Improves robustness of CPU when many variables are added on EF in very complex logic and just after a the build change
V2.10	20023521	-	CPU now restarts after sending the init command from the keypad
	20026039	-	Limits the possibility of writing according to the configured size (Data storage)
	20026692	-	Allow many viewers to be connected to PLC Diag Buffer
V2.03	20026957	847627	Corrects Health status for 140CPS12420 redundant power supply (that was staying in state 1 when the module was unpowered or has failed).
V2.02	20026602	844139	Corrects Modbus write function (code 05d)
V2.01	20026055	-	Allows connexion to a RS485 MODBUS network including other PLCs
V2.0			Launch version