

**TSXP57454M / 4634M / 554M / 5634M / 6634M  
firmware history**



Version	History		
	OPR/PCR	bFO	Description
<b>V3.20 (11/19)</b>	PEP0515565R		Improvement of cyber security protection
	PEP0523291R		
	PEP0510526R		
	PEP0515605R		
	PEP0532540R		
	PEP0548240R		
	PEP0543772R		
	PEP0543773R		
	PEP0543774R		
	PEP0543776R		
PEP0544419R			

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<b>V3.1</b>	PEP0253807R		Remote RUN/STOP requests on Premium are now blocked when PLC is configured in Memory Protect mode.
	PEP0258605R		Implement Unity application password protection for Premium platforms
	PEP0235860R		By configuration in Unity Pro or by application , it is now possible to deactivate FTP and HTTP services when not used. This concerns any Ethernet port from the whole Premium platform.
	PEP0248392R		With Unity V8.0,unattended error message when disconnecting Premium PLCs will not appear.
	PEP0057845R		Improvement of reservation process, to avoid of "reserved by empty" error message after reconnection.

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<b>V3.0</b>	PEP0047851R		Fix DiagViewer that does not display messages and symbols for instances bigger than 254 in a single section

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<b>V2.9</b>	PEP0038276R		Improve the robustness of the CPU when changing EFB parameters on line
		UNITY00053280	Include new features synchronized with Unity V6.0 for data dictionary use.
	PEP003311R		Improve the robustness of the CPU MODBUS server request FC23
		UNITY00052523	Processor doesn't answer to MODBUS request even if the data length field of the request is not equal to the field transmitted .Was true in some cases.
	PEP0031713R		Processor now answer correctly to MODBUS FC15 and FC16 query with exceeding maximum number.

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<b>V2.8</b>	PEP0011918R		Improve the robustness of the CPU against use of CANCEL EF in FAST task. It is still not recommended to use the EF in fast task.
	PEP0021251R		Forbid the bad addressing when using the ADDR EF. An impossible address value must not be sent to a valid destination.
		UNITY00047500	Improve performance of data Dictionary Browse requests coming from HMI
	20045482		Add of 2 new EF READ_V_PCMCIA and WRITE_V_PCMCIA for data storage of unlocated var in the PCMCIA (system lib enhancement)
		UNITY00046864	Fix bug regarding the FREERUN EF behaviour during Warm Start

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<b>V2.7</b>	PEP0013128R	1081706	Improve the robustness of the CPU against Scada wrong requests from OFS ,
	PEP0014351R	994155	Gives the capability to configure a cold start at each power on cycle ,
	PEP0015477R	1046800	Fix a crash issue due to the use of a memory size of structured type instances > 1Mbytes
	PEP0015537R	1121176	Behaviour enhancement when several PC are connected on one PLC

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V2.6	20038551	947690 1018538	Restart capabilities of Fipio STBNFP2212 after Switch On/Off of the 24V supply are made more robust
	20040883	UNITY00036615	TSXDMY* on a distant Rack has now the expected behaviour when a reboot is made on CPU Rack.
	20041411	1003716	Performance improvement for ModbusPlus communication for application with a long cycle time.
	20041687	UNITY00040623	When "automatic start in Run" option is activated and a Cold start has been processed, processing a Warm Start is now working as expected.
	20041881	UNITY00040619	When the user performs Online Modification of the application on the PLC the HMI or WEB server can continue to animate the variable without regenerating the HMI application.
	20042789	UNITY00043353 1035075 1102080	Behaviour improvement to manage high amount (more than 340) of analogue channels
	20043558	UNITY00043418	Improvement of PLC Screen information on online configuration change when Mast and Fast tasks are mixed.

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V2.5		UNITY00038692	Allows "type of access" parameter in UNITE request 83 to be set to 254 (partial access with a Mask)
		UNITY00035770	Allows several consecutive application downloads without disconnection
	20038378	UNITY00036568	Allows Modbus device address to be set to 255 in Read_Var & Write_Var EF through an address syntax evolution
	20039336	UNITY0039336	Memory management improvement when duplication of instance of EFB during change on line
		UNITY00037052	Correct the behaviour of the "presence of station" bits (implicit exchange object

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		*_IN_STAT_*) in the T_COM_MBP IODDT for Modbus+ communication
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
20041490	UNITY00039107	Function code 22 is now also supported on Modbus port USB or embedded Ethernet port for Premium CPU

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V2.4		UNITY00031038	Allows download of application containing more than 255 configured EFB and using communication card in slot 1 (see also OPR 20032197)
	20034797	908310	Displays number of requests processed by Client server per master (MAST) task cycle on %SW91 and %SW92
	20034798	910764 935452	%SW50 updated every 200ms rather than every 1s
	20036392	936277	Improve %S39 diagnostic performance
	20036312	925187	Avoid double alarm display in the Magelis alarm viewer
	20034622	926593 906907	Synchronize NTP time and PLC RTC clock
		UNITY00032767	%SW48 counts the events generated by counting modules
	20037348	958360 952198	Allows the refreshment of Unity Pro animation table when deploy ComNS DDT
		UNITY00033354	RUN/STOP input is checked even when a RUN command is issued from Unity Pro PLC Screen
	20036432	None	%S21 set to 1 after power restart when Autostart option is configured
		UNITY00034776	Enable Modbus communication when address is greater than 199 in Read_var, Write_var EF
	20038098	965494	Allows modification of "wait time" value when terminal port is configured in Unitelway
V2.32	20024171	None	Firmware change according to new kind of RAMs
	None	None	Improve CPU robustness in case a lot of download is performed

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<b>V2.31</b>	20036658	940478	Improve consistency communication between TSXIBY100Interbus module and Premium CPU
	20036980	945578	Increase robustness if on line modification is intensively used
	20036868	943932	DFB / EFB diagnostic messages enhancement for special logic in edges
	None	None	Allow the download of an application in which a TSXFPP10 FipIO PCMCIA card is configured but not physically present in the PLC
<b>V2.3</b>	20024864	935472 922390	Keep current values of located data in PLC after program download (needs P_Unit V2.3SP1 mini)
	20027489	None	10ms time-stamping resolution provided by a new Function-Block (needs P_Unit V2.3SP1 mini)
	20024757	None	Corrects rare alteration of datas from IBY100
	20025115	None	In case of XBTR400 or XBTN400 supplied by the TER port (cable XBTZ9780 for XBTR400 - cable XBTZ978 for XBTN400) communication don't stop anymore when plugging the terminal
	20028464	861897	Fixes animation problem when 2 instances of same DFB are used in the same section
	20029704	873607	After an on-line modification, %SW30 provides the attended value
	20030027	875540	Corrects untimely halt when Init-Chart" and "SETSTEP" occurs simulataneously
	20030073	878241	Timer mode TON converted by Unity has the same behavior as PL7 one

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	20030152	878032	PL7_TON starts even %S1 is used to start the timer
	20030828	933406 869582	The Save adjustment values command bit %S94 may be used without causing the cycle time to increase
	20030915	None	PLC Diag Buffer alarm may be acknowledged from the XBT
	20032197 20032214	893407 903423 895037	PLC goes in no-conf state (rather than to crash) when an application containing more than 255 EFB instances is downloaded
	20032345	893820	R_NTPC block gets data even if TSXETY5103 is in slot 10 or above
	20035084	922154	Allow on line modification causing a variable to be removed form diag viewer buffer
<b>V2.2</b>	20030298 20030938	None	Correction of a none response or an unjustified error code (hex 0100 or hex 0200) when too much SDO are sent to a CANOpen slave at the same time