"X80 Time Stamp Module BMX ERT 1604T/H" FIRMWARE HISTORY
See "Unity Loader - A SoCollaborative Software User Manual" for firmware upgrading procedure

Version #	Date of Publication	Internal reference	Description
SV2.1	10/2020	PEP0603389R	Fixed that clock of BMXERT1604.2 not synchronized when "synchronized from CPU/CRA Header/External Clock" option selected under M580 Safety CPU (SV>=3.10)

Note: Associated with Control Expert V15.0, BMXERT1604.2 can be configured under M580(S) HSBY system from now on. Refer to Control Expert release note for detail. Compatibility matrix for BMXERT1604 is shown as below:

Commercial Reference + Firmware Version	Device item in CE V15.0	M340	M580 CPU Local Rack (CPU SV >= 2.10)		M580 Remote Rack (CPU SV >=2.10)	
			Standalone	HSBY	BMXCRA31210 (SV>=2.14)	BMECRA31210 (SV>=2.1)
BMXERT1604T/H SV1.3	BMXERT1604	Yes	Yes	No	Yes	Yes
BMXERT1604T/H SV>=2.0	BMXERT1604	Yes	Yes	No	Yes	Yes
	BMXERT1604.2	No	Yes	No	Yes	Yes

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Version #	Date of Publication	Internal reference	Description
SV2.0	11/2019	PEP0470180R	New added feature: clock sync source via X-bus

Note: For the time being this enhanced feature is only supported by M580 Standalone CPU. Quantum Standalone/HSBY CPU and M580 HSBY CPU with X80 drops do not support the BMXERT1604 T/H module SV>=2.0 associated with BMXERT1604.2 in Control Expert V14.1 device catalogue. Detailed compatibility matrix is shown as below:

Commercial Reference + Firmware Version	Device item in CE V14.1	M340	M580 CPU Local Rack (CPU SV >= 2.10)		M580 Remote Rack (CPU SV >=2.10)		
			Standalone	HSBY	BMXCRA31210 (SV>=2.1)	BMECRA31210 (SV=2.0)	BMECRA31210 (SV>=2.1)
BMXERT1604T/H SV1.3	BMXERT1604	Yes	Yes	No	Yes	Yes	Yes
BMXERT1604T/H SV2.0	BMXERT1604	Yes	Yes	No	Yes	Yes	Yes
	BMXERT1604.2	No	Yes	No	No	No	Yes

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Version #	Date of Publication	Internal reference	Description
SV1.30	**07/2017**	PEP0343438R	Fixed that when an application is downloaded for the first time on BMXER1604T, 16 events are created if all four channels are configured as time stamp.
		PEP0320676R	Fixed that ERT module buffer percent is not "0" after TS record is '0'
		PEP0387918R	Fixed that BMXERT TS with MS=0 but Second is kept at last second

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Version #	Date of Publication	Internal reference	Description
SV1.20	12/2015	UNITY00067848	Fixed that ERT time stamping Applicative in Drop: EF will be locked with ACTIVE=1 if you active READ_VAR on the same drop
		PEP0217889R	Fixed that the local ERT under applicative mode, its status reports "0xFFFF" when switch PLC running from System to Applicative