"M1/M1E Momentum Processors 171CBUx809x" FIRMWARE HISTORY
See Control Expert online help, chapter Upgrading Firmware for the 171 CBU x809x Processors

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Version #	Date of Publication	Internal reference	Description
SV**2.30**	**01/2021**	PEP0609191R	Enhancement of memory read protection via UMAS

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Version #	Date of Publication	Internal reference	Description
SV**2.20**	**08/2020**	PEP0595149R	New feature to prevent downgrading firmware to SV<2.20 if processor PV>=09 (due to new hardware)

Note: **This SV2.20 was not manufactured in factory.**

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Version #	Date of Publication	Internal reference	Description
SV**2.10**	**12/2019**	PEP0546792R	Fixed that Cyber security issue on 171CBUx809x Wind River VxWorks TCP/IP Stack (IP net) Vulnerability
		PEP0540238R	Fixed that 171CBU98090 may stop operation when receiving pipelined Modbus/TCP responses in specific condition

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Version #	Date of Publication	Internal reference	Description
SV**2.01**	**06/2018**	PEP0462762R	Fixed that Global Data does not operate with FW V2.0.
		PEP0469214R	Fixed that IP assignment via Bootp not working with FW V2.0

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Version #	Date of Publication	Internal reference	Description
SV**2.00**	**12/2017**	PEP0422546R PEP0424665R PEP0428833R PEP0430403R PEP0433545R PEP0435112R	Fixed the issue that MDI unexpected stop with code EC10 and EC00
		PEP0325233R	Fixed the issue that UPV11-XXMIT will not perform any communication retries
		PEP0338518R	Enhanced to support a new NAND flash component used in MDI
		PEP0363460R PEP0410404R PEP0427848R PEP0388567R	Fixed to improve the Cyber-security vulnerability in Unity Momentum
		PEP0363480R	Fixed the issue that miss information for use of Hivision software or diagnostic Ethernet software (SNMP)
		PEP0387789R	Fixed the issue that MDI limitation of number of request by cycle with unexpected behavior of COMSYS has been detected.
		PEP0388069R	Fixed the issue that stopped code FFFB randomly occurs
		PEP0399277R	Fixed the issue that SNMP request works only 1 time by software and the Second request fails.

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		PEP0399394R	Fixed the issue that MBP_MSTR connection can take 1 minute to free connection
		PEP0422986R	Fixed the issue that IO Bus drops out momentarily when online changes made

NOTICE

Firmware downward compatibility limitation for PV 07 and above

=> do not downgrade a 171CBUx809x PV>=07 to a SV< 2.00

Failure to follow these instructions can result in equipment damage.

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Version #	Date of Publication	Internal reference	Description
SV**1.31**	**12/2016**	PEP0351418R PEP0378320R	Fixed the issue that Momentum CPU memory loses values after power micro cut

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Version #	Date of Publication	Internal reference	Description
SV**1.30**	**09/2016**	PEP0291249R PEP0304120R	Enhanced to add data Dictionary capability for Momentum
		PEP0296804R	Fixed the issue that Error code 0x0c8a in a Unity Momentum CPU
		PEP0301548R	Fixed the issue that 171CBU9809x-Ethernet RESET after 0 window size in SYN, ACK from server
		PEP0301901R	Fixed the issue that Momentum Unity CPU + 170INT11003 & MUCM Niobrara could not be used.
		PEP0323058R	Fixed the issue that outputs of IO modules would random ON if IO Bus is disrupted
		PEP0303593R	Enhanced to support a new IO module (generic module) on IO bus

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Version #	Date of Publication	Internal reference	Description
SV**1.21**	**12/2015**	PEP0304929R PEP0302853R	Fixed the issue that No DHCP/BOOTP requests be sent at power up

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Version #	Date of Publication	Internal reference	Description
SV**1.20**	**05/2015**	PEP0272617R	Fixed the issue that UM1E I/O 171CBU9809x V1.0 Cannot I/O scan through a router.
		PEP0260464R	Fixed the issue that A Unity Momentum is configured with I/O modules on its IO Bus network. If IO Bus communications is disrupted, then any discrete output on the IO Bus that was on will remain ON instead of going OFF.