FIRMWARE HISTORY
See UnityPro online help, chapter Upgrading Firmware for the 171 CBU x809x Processors

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.

<table>
<thead>
<tr>
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</tr>
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<tbody>
<tr>
<td>SV2.10</td>
<td>12/2019</td>
<td>PEP0546792R</td>
<td>Fixed that Cyber security issue on 171CBUx809x Wind River VxWorks TCP/IP Stack (IP net) Vulnerability</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PEP0540238R</td>
<td>Fixed that 171CBU98090 may stop operation when receiving pipelined Modbus/TCP responses in specific condition</td>
</tr>
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<tr>
<td>SV2.01</td>
<td>06/2018</td>
<td>PEP0462762R</td>
<td>Fixed that Global Data does not operate with FW V2.0.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PEP0469214R</td>
<td>Fixed that IP assignment via Bootp not working with FW V2.0</td>
</tr>
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**“M1/M1E Momentum Processors 171CBUx809x” FIRMWARE HISTORY**
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<tr>
<td>SV2.00</td>
<td>12/2017</td>
<td>PEP0422546R</td>
<td>Fixed the issue that MDI unexpected stop with code EC10 and EC00</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PEP0424665R</td>
<td>Fixed the issue that UPV11-XXMIT will not perform any communication retries</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PEP0428833R</td>
<td>Enhanced to support a new NAND flash component used in MDI</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PEP0430403R</td>
<td>Fixed to improve the Cyber-security vulnerability in Unity Momentum</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PEP0433545R</td>
<td>Fixed to improve the Cyber-security vulnerability in Unity Momentum</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PEP0435112R</td>
<td>Fixed the issue that miss information for use of Hivision software or diagnostic Ethernet software (SNMP)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PEP0325233R</td>
<td>Fixed the issue that MDI limitation of number of request by cycle with unexpected behavior of COMSYS has been detected.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PEP0338518R</td>
<td>Fixed the issue that stopped code FFFB randomly occurs</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PEP0363460R</td>
<td>Fixed the issue that SNMP request works only 1 time by software and the Second request fails.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PEP0410404R</td>
<td>Fixed the issue that MBP_MSTR connection can take 1 minute to free connection</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PEP0422986R</td>
<td>Fixed the issue that IO Bus drops out momentarily when online changes made</td>
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<tr>
<td>SV1.31</td>
<td>12/2016</td>
<td>PEP0351418R</td>
<td>Fixed the issue that Momentum CPU memory loses values after power micro cut</td>
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<tr>
<td>SV1.30</td>
<td>09/2016</td>
<td>PEP0291249R</td>
<td>Enhanced to add data Dictionary capability for Momentum</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PEP0304120R</td>
<td>Enhanced to add data Dictionary capability for Momentum</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PEP0296804R</td>
<td>Fixed the issue that Error code 0x0c8a in a Unity Momentum CPU</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PEP0301548R</td>
<td>Fixed the issue that 171CBU9809x-Ethernet RESET after 0 window size in SYN, ACK from server</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PEP0301901R</td>
<td>Fixed the issue that Momentum Unity CPU + 170INT11003 &amp; MUCM Niobrara could not be used.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PEP0323058R</td>
<td>Fixed the issue that outputs of IO modules would random ON if IO Bus is disrupted</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PEP0303593R</td>
<td>Enhanced to support a new IO module (generic module) on IO bus</td>
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<tr>
<td>SV1.21</td>
<td>12/2015</td>
<td>PEP0304929R</td>
<td>Fixed the issue that No DHCP/BOOTP requests be sent at power up</td>
</tr>
<tr>
<td></td>
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<td>PEP0302853R</td>
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<tr>
<td>SV1.20</td>
<td>05/2015</td>
<td>PEP0272617R</td>
<td>Fixed the issue that UM1E I/O 171CBU9809x V1.0 Cannot I/O scan through a router.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>PEP0260464R</td>
<td>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.</td>
</tr>
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