Product Change Notification

MicroNet TMR™ Upgrades

Product Change / Improvement

Woodward has recently released an important upgrade for 5200-based MicroNet TMR. This upgrade commonizes the VxWorks RTOS with latest version implemented last year on MicroNet Plus. Account Management has been added for improved security. A number of new GAP blocks and features have been added, including Opti-Tune and Ratio Limiter. Several Coder-related improvements and corrections have also been included.

In addition to our standard software review and regression testing process, this release underwent an intense system-testing program to insure quality.

Improvements included in this version include FPGA changes which are not field-updatable, so customers wishing to update must replace the existing 5466-1047 CPUs and 5466-1036 RTNs or return the modules to the factory for upgrade.

New part numbers are as follows:

- 5466-1247 Module, MicroNet TMR CPU5200
- 5466-1246 Module, Enhanced Performance RTN
- 9927-2623 MicroNet TMR Coder 1.00

**Note:** all three items must be upgraded together - CPU, RTN and Coder.

Key Feature Additions

The following new GAP blocks and functions have been added to this TMR release:

<table>
<thead>
<tr>
<th>PID_OPTI</th>
<th>RATIOLIM2</th>
<th>IP_ADDRESS</th>
</tr>
</thead>
<tbody>
<tr>
<td>RUNNING_AVG</td>
<td>S_LIST</td>
<td>SMUX_S_N</td>
</tr>
<tr>
<td>SERVLINK</td>
<td>RTN_DR</td>
<td>Daylight Savings Time on RTC</td>
</tr>
<tr>
<td>SYS_LOAD_PEAK</td>
<td>Logical OR output on LATCH_AE and LATCH1</td>
<td>Ability to specify delimiter between COM_1 and COM_2</td>
</tr>
</tbody>
</table>

Refer to Release Notes and download GAP MicroNet TMR 1.00 and refer to GAP HELP for more information.

Minor Upgrades and Issues Addressed In This TMR Release

- Allow DHCP to be used with TMR
- Prevent anonymous FTP login
- Reduce log file backup time
- Fix issue with unknown type compile error
- Allow TCP tiny window size
- Enhance the precision of constant values used in CURVES_2 calculations
- Prevent TMR CPUs from sending out errant NTP traffic
  - Fix issue when A_STEP_PER is constant TRUE
  - Move the AI_RTD_8C block to the correct menu in GAP
  - Update GAP help to indicate that WGSPL is not supported in 5200 based MicroNet TMR
  - Fix issue where SIO ports would not reinitialize properly when a kernel resyncs with running kernels in some configurations
  - Fix TMR resync issue for applications which only contain RG5

**Customer Action**

Please use the 5466-1247 CPU, 5466-1246 RTN and Coder 9927-2623 for all new systems. Users with existing systems and 5466-1047 CPU modules who wish to upgrade will need to return the CPUs and RTNs to the factory for update.

For additional information and support:

- Contact your local Woodward representative and/or turbine OEM.
- Obtain Woodward contact and business partner information at [www.woodward.com](http://www.woodward.com).
- Technical assistance can be obtained by:
  - Searching for a local contact at [www.woodward.com/directory](http://www.woodward.com/directory)
  - Call or email the Woodward Turbine Help Desk: 1-970-498-3095 TurbineHelpDesk@woodward.com

Woodward has company-owned plants, subsidiaries, and branches, as well as authorized distributors and other authorized service and sales facilities throughout the world.

Complete address / phone / fax / email information for all locations is available on our website.

2017/10/Fort Collins