

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:

PID_OPTI	RATIOLIM2	IP_ADDRESS
RUNNING_AVG	S_LIST	SMUX_S_N
SERVLINK	RTN_DR	Daylight Savings Time on RTC
SYS_LOAD_PEAK on SYS_INFO	Logical OR output on LATCH_AE and LATCH1	Ability to specify delimiter between COM_1 and COM_2

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.
 - Technical assistance can be obtained by:
 - Searching for a local contact at www.woodward.com/directory
 - Call or email the Woodward Turbine Help Desk: 1-970-498-3095
TurbineHelpDesk@woodward.com
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PO Box 1519, Fort Collins CO 80522-1519, USA
1041 Woodward Way, Fort Collins CO 80524, USA
Phone +1 (970) 482-5811 • Fax +1 (970) 498-3058

Email and Website—www.woodward.com

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