October 12, 2012

SUBJECT: Pentium NT CPU support for MicroNet Simplex and NetCon Controls

The Pentium NT CPU was released in 1999 for use in MicroNet Simplex controls. Woodward also created a Pentium NT CPU for NetCon control systems in 2003. These include the following Woodward part numbers; 5466-409(MicroNet), 5466-419(NetCon), and 5466-417(MicroNet or NetCon with Redundant Ethernet).

In 2005, Woodward updated the MicroNet product line with new core support: This means that new MicroNet Plus Chassis, 2-slot Power Supplies and the powerful CPU5200 module were created to enhance the MicroNet product line. This update features simplex *and* redundant capability. MicroNet Plus controls use the same I/O modules as previous MicroNet and NetCon controls, but the updated core enhances the capability, connectivity and system availability offered to our customers. A full list of MicroNet Plus features is available in Woodward's product specification 03333.

In 2010, Woodward updated the MicroNet product line with new Cyber Security features. As a result, the following CPU5200 modules are currently available:

CPU5200 Module Item Number	Chassis Support			RTN Module Item Number	8928-5222 Cyber Security License Included?	Coder 4.0x Support	Coder 5.0x Support	Coder 6.0x Support
	MicroNet	MicroNet Plus	MicroNet TMR					
5466-1035	X	X		5466-1036	N/A	All	All	None
5466-1045	X	X		5466-1046	Unlicensed	None	5.03+	All
5466-1145	X	X		5466-1146	Licensed	None	5.03+	All
5466-1047			X	5466-1036	N/A	None	All	None

The CPU5200 is available as an upgrade for the Pentium NT CPU in MicroNet Simplex Control Systems. Please contact your control system supplier or Woodward for further information.

Controls for new OEM gas and steam turbines transitioned away from the Pentium NT CPU in February 2009, and usage of the Pentium NT CPU has been limited to aftermarket upgrades since then. Woodward understands the Pentium NT CPU's are used in critical turbine applications and will support these field units with spares and repairs for an extended period of time.

The Pentium NT CPU support timeline is as follows:

_	Through February 2009	Pentium NT CPU's available for new system sales
_	Through September 2012	Pentium NT CPU spare modules available – **the stock of new modules has been depleted and new modules are no longer available,**
_	Through February 2016	Pentium NT CPU repairs available and used (service stock) CPUs will be sold to customers if Woodward has stock on hand.

Electronic component obsolescence from manufacturers can present a challenge to post-life support plans. Woodward strives to hold inventory or look for alternative parts when the components we use are no longer available. However, there are times when components are not available and last-time buys are insufficient due to unexpected production and repair demand.   Woodward estimates these dates will be honored, but cannot guarantee the rationalization support plan due to these unforeseen factors.

Best Regards,

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