

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

WOODWARD

5466-1035

CPU5200 CONTROL PROCESSOR MODULE

Used with the applicable MicroNet Simplex and MicroNet Plus configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Woodward MicroNet Simplex and MicroNet Plus manufacturer documentation

MicroNet™ Simplex Digital Control
MicroNet™ Plus Digital Control

**This manual replaces manual 85584
for the MicroNet Simplex.**

Manual 26166 consists of 2 volumes (26166V1 & 26166V2).

Installation and Operation Manual

Part No	Status	Description	Extended Description	CSA	UL	ATEX	CE (LVD)	CE (EMC)	ABS	DNV	LRS
			INPUT, MICRONET-PLUS								
5466-1002	A	MODULE	POWER SUPPLY, 2 SLOT, 220VAC INIPUT, MICRONET-PLUS	x		x	x	x	x	x	
5466-1005	A	MODULE	ISO T/C FAIL LOW	x							
5466-1006	A	MODULE	ISO T/C FAIL HIGH	x						x	
5466-1007	A	MODULE	ISO 4-20 ANALOG IN	x							
5466-1008	A	MODULE	ISO 0-10 V ANALOG	x							
5466-1009	A	MODULE	ISO 4-20 ANALOG IN	x							
5466-1010	A	MODULE	ISO 4-20 MA DERIVATIVE	x							
5466-1011	A	MODULE	ISO 4-20/ AD590 ANALOG IN	x							
5466-1012	A	MODULE	ISO T/C ANALOG IN (HF)	x							
5466-1013	A	MODULE	SEMI ISO RTD 100	x						x	
5466-1014	A	MODULE	SEMI ISO RTD 200	x							
5466-1015	A	MODULE	SEMI ISO RTD 500	x							
5466-1016	A	MODULE	SEMI ISO RTD 100 HIGH TEMP	x							
5466-1017	A	MODULE	SEMI ISO RTD 100 (10MS)	x							
5466-1018	A	MODULE	SEMI ISO RTD 200 (10MS)	x							
5466-1019	A	MODULE	SEMI ISO RTD 500 (10MS)	x							
5466-1020	A	MODULE	PENTIUM CPU W/ APPL S/W FOR D-R LM2500+								
5466-1035	A	MODULE	MICRONET CPU5200 (POWERPC MPC5200, 400MHZ, 64MB FLASH, 128MB RAM, DUAL CAN)	x		x	x	x	x	x	
5466-1036	A	MODULE	MICRONET REMOTE RTN (REMOTE REAL TIME NETWORK XCVR)	x		x	x	x	x	x	
5466-1037	A	MODULE	MICRONET CPU5200L (POWERPC MPC5200, SINGLE ETHERNET, SINGLE CAN, NO RTN)	x		x	x	x	x	x	
5466-1045	A	MODULE	MICRONET PLUS CPU5200 (CYBER-SECURITY)	x		x	n/a	x	x	x	x
5466-1046	A	MODULE	MICRONET PLUS RTN (CYBER-SECURITY)	x		x	n/a	x	x	x	x
5466-1047	A	MODULE	MICRONET TMR CPU5200, 400MHZ, 64MB FLASH, 128MB RAM, NO-CAN	x		x	x	x			
5466-1049	A	MODULE	MICRONET TMR PLUS KERNEL P.S.	x			n/a	x			
5466-1050	A	MODULE	MICRONET DIO SIMPLEX	x		x	n/a	x	x	x	x
5466-1051	A	MODULE	MICRONET DIO TMR	x		x	n/a	x	x	x	x
5466-1070	A	MODULE	ANALOG COMBO (TMR) 3 MPU/1 PROX				n/a	x	x	x	x
5466-1105	A	MODULE	MICRONET SPEED/ANALOG I/O COMBO - 4X SPEED, 12X I/V SELECTABLE INPUTS, 4X 4-20 MA OUTPUTS	x		x	n/a	x			
5466-1115	A	MODULE	MICRONET HIGH DENSITY COMBO I/O -	x		x	n/a	x			

Table C-2. Module Compatibility Matrix

Module Compatibility	MicroNet Family				
	Plus		Simplex		
Power Supplies	Main	Exp	Main	Exp	Notes
MicroNet Plus, 2-Slot	●	●			
MicroNet Simplex, 3-Slot			●	●	
CPU Modules					
CPU, PowerPC 5200	●		●		Released 2006 for CAN and short chassis. CyberSecure versions available 2012. Enhanced Performance version available 2014.
CPU, Pentium			●		
CPU, Motorola x040			●		
CPU, Motorola x060			●		
Expansion Transceivers					
Remote RTN Transceiver		●		●	Requires use of CPU5200. CyberSecure version available 2012. Enhanced Performance version available 2014.
Main Expansion XCVR (copper)			●	●	Not allowed with CPU5200
Remote Expansion XCVR (copper)			●	●	Not allowed with CPU5200
Fiber Optic Remote XCVR					Not allowed with CPU5200
Communication Modules					
Serial I/O (4 port)	●		●		Use revisions 5466-348A or 5501-471 NEW or greater
RTSIO, Real Time SIO (3ch)	●	●	●	●	
LINKnet LON Network Controller	●	●	●	●	
Ethernet module (1 port, 10Mbps)			●		Not allowed with CPU5200 or Pentium
Combo Modules					
High Density Analog (24/8 HDA)	●	●	●	●	Updated 2001 Rev E
24/8 Analog Smart-Plus Module	●	●	●	●	See section 9.28 for coder compatibility information.
Speed/Analog IO Combo Smart-Plus Module	●	●	●	●	See section 9.29 for coder compatibility information.
Discrete I/O Smart-Plus (48/24 HDDIO)	●	●			Released 2010. Coder 5.03 or greater required. Use 5466-1158 (Simplex) or 5466-1156 (TMR) for backward compatibility with Coder 4.06.
High Density Discrete (48/24 HDD)	●	●	●	●	Updated 2007. rev K or greater required for CPU5200
Analog Input MPU Combo (HDC)	●	●	●	●	Updated 2001 rev E
Analog Input TC/RTD (34ch HDVIM)	●	●	●	●	Available in Coder 3.02 and above Updated 2006 Rev D
Input Modules					
Speed Sensor MPU Input (4ch)	●	●	●	●	For CPU5200 Cyber-Security compatibility, see chart in section 9.26.1
Speed Sensor Smart-Plus Module	●	●	●	●	See section 9.27 for coder compatibility information.
Analog Input 4-20ma (8ch)	●	●	●	●	
Analog Input T/C (8ch)	●	●	●	●	
Analog Input RTD (8ch)	●	●	●	●	
Discrete Input (64ch)	●	●	●	●	
Discrete Input (32ch)	●	●	●	●	