



# CONTROL TECHNOLOGY INC.

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## TECHNICAL ADVISORY – 2500P-Jxxx “Janus” Processor Support of CTI 2500 Series® and Simatic®/TI500/TI505 Components

### I/O BASES

Janus Processors can be installed in the following I/O bases:

2500P-R4	2500P-R16	2500-R16	505-6508
2500P-R8	2500-R4	2500-R16-A	505-6511
2500-R11-A	2500-R8	505-6504	505-6516

### I/O BASES

Janus Processors can communicate with remote I/O installed in the following I/O bases (over Remote I/O and Profibus):

2500P-R4	2500-R4	2500C-R4	505-6508
2500P-R8	2500-R8	2500C-R8	505-6511
2500-R11-A	2500-R16	2500C-R16	505-6516
2500P-R16	2500-R16-A	505-6504	

### POWER SUPPLIES

Janus Processors can be powered by the following Power Supplies:

2510	2513	2515-A	505-6660B
2512	2513-A	505-6660	505-6663
2512-A	2515	505-6660A	505-6663A

### REMOTE BASE CONTROLLERS

Janus Processors can communicate with the following Remote Base Controllers:

2500-RIO	2500C-RBC-PRF	505-6851	500-6870
2500-RIO-A	2500C-RBC-RS485	505-6851A	
2500-RIO-B	2500C-RADP-RBC	505-6851B	
2500-RBC	2500C-RADP-RS485	505-6870	

## REMOTE BASE CONTROLLERS

Janus Processors will not communicate with the following Remote Base Controllers:

505-6840 (DBC)                      505-6850 (coax)                      505-6850A (coax)

## I/O MODULES

Janus Processors can operate with the following Discrete and Analog I/O Modules:

2501	2590-EF	505-3508	505-4708
2502	2591-A	505-3516	505-4716
2505	2591-EF	505-3532	505-4732
2530	2595	505-3708	505-4808
2531	2596	505-3716	505-4816
2532	2596-8	505-3732	505-4832
2534	2597	505-4008A	505-4908
2550-A	2598	505-4016A	505-4916
2551-A	2598-8	505-4032A	505-4932
2552-A	2599	505-4108	505-5417
2553-A	2500C-8-IDI-120V	505-4116	505-5518
2554-A	2500C-8-IDI-24V	505-4132	505-6010
2555-A	2500C-16-DI-120V	505-4208A	505-6011
2556	2500C-16-DI-24V	505-4216A	505-6108A
2556-A	2500C-8-IDO-120V	505-4232A	505-6108B
2557	2500C-8-IDO-24V	505-4308	505-6202
2558	2500C-16-DO-120V	505-4316A	505-6204
2559-TC	2500C-16-DO-24V	505-4317	505-6208A
2559-RTD	2500C-16-DIDO-SIM	505-4318	505-6208B
2560-A	2500C-8-RL-FC	505-4319	505-6308
2562	2500C-8-AI	505-4332	505-6408
2564	2500C-8-AO	505-4408A	505-7002
2580	2500C-8-TC	505-4416A	505-7003
2581	2500C-8-RTD	505-4432A	505-7012
2582	505-2555	505-4508	505-7016
2585	505-2556	505-4516	505-7028
2588-8	505-2557	505-4532	505-7038
2589-A	505-2580	505-4608	2017
2589-B	505-2590	505-4616	2020
2590-A	505-2590A	505-4632	2030

2030-L	500-5005	500-5019	500-5041
2032	500-5006	500-5020	500-5037A
2050	500-5007	500-5021	500-5047A
2060	500-5008	500-5023	500-5048
2080	500-5009	500-5026	500-5049
2081	500-5010	500-5027	500-5051
2082	500-5011	500-5028	500-5052
2090	500-5012	500-5030	500-5061
2091	500-5013	500-5031	500-5062
500-5001	500-5016	500-5032	
500-5002	500-5018	500-5033	

### COMMUNICATIONS MODULES

Janus Processors can communicate with the following Communications Modules installed in a local or remote base attached to the Janus Processor:

2500P-ACP1<sup>1</sup>

### SPECIAL FUNCTION MODULES

The following modules are NOT compatible with Janus Processors.

2541	2576	505-5100	505-7190
2571	2577	505-5103	505-7202
2572	505-ATM-4120	505-5184	505-7339
2572-A	505-CP1434-TF	505-5190	505-7340
2572-AF	505-CP1434-TCP	505-6830	505-7354
2572-B	505-CP2572	505-6840	TMC 188/40-Q
2573-MOD	505-CP5434-FMS	505-6860	
2573-TCM2	505-2571	505-7101	

### COMMUNICATIONS MODULES

The following modules are NOT compatible with Janus Processors; however, they can be used to allow communications between Janus Processors and 2500 Series® Classic Processors and Simatic/TI505 Processors over Ethernet:

2572	2500P-ACP1 <sup>2</sup>
2572-A	505-CP2572
2572-B	505-CP1434-TCP
2500P-ECC1 <sup>3</sup>	

## NOTES

<sup>1</sup>2500P-ACP1 can communicate with a Janus Processor as an I/O module when installed in a local or remote base and configured as 32X/32Y or 32WX/32WY.

<sup>2</sup>2500P-ACP1 connected to a host 2500 Series® Classic Processor over Ethernet can communicate with a Janus Processor using Network Binding Protocol.

<sup>3</sup>2500P-ECC1 connected to a host 2500 Series® Classic Processor over Ethernet can communicate with a Janus Processor using Network Data Exchange and Network Binding Protocol.

A handwritten signature in black ink, appearing to read 'R. Peck', with a long horizontal flourish extending to the right.

Robert Peck  
Senior Vice-President  
Control Technology Inc.