

2500 Series™ Bases

- R4 Four-Slot Base
- R8 Eight-Slot Base
- R11-A Eleven-Slot Redundant Base
- R16-A Sixteen-Slot Base



2500-R16 shown

Description

The 2500 Series™ bases provide four, eight, eleven, or sixteen slots for I/O modules in the CTI 2500 Series™ or SIMATIC® 505 platform. The 2500-R11-A allows two power supplies and two RBCs in a redundant configuration. The other bases provide space for a single power supply, and a CPU or RBC. The base may be mounted from the front or rear.

Features

- Replaces Siemens® 505-6504, 505-6508, 505-6511, or 505-6516
- Four, eight, eleven or sixteen I/O slots
- Mounts from the front or rear
- 2500-R11-A allows use of two power supplies and two RBCs in a redundant configuration

Specifications

Mounting:

Front or rear mounting

Rack Size:

2500-R4: 8.02"W x 8.0"D x 10.47"H
204mm W x 203mm D x 266mm H

2500-R8: 11.22"W x 8.0"D x 10.47"H
285mm W x 203mm D x 266mm H

2500-R11-A, R16-A:
17.62"W x 8.0"D x 10.47"H
448mm W x 203mm D x 266mm H

Operating Temperature:

0° to 60°C (32° to 140°F)

Storage Temperature:

-40° to 85°C (-40° to 185°F)

Relative Humidity:

5% to 95% (non-condensing)

Agency Approvals Pending:

UL/ULC, Class1-Div.2-Haz.Loc., CE

Shipping Weight:

2500-R4: 5.0 lb.(2.27 Kg)

2500-R8: 8.0 lb.(3.63 Kg)

2500-R11-A, R16-A: 14.0 lb.(6.35 Kg)



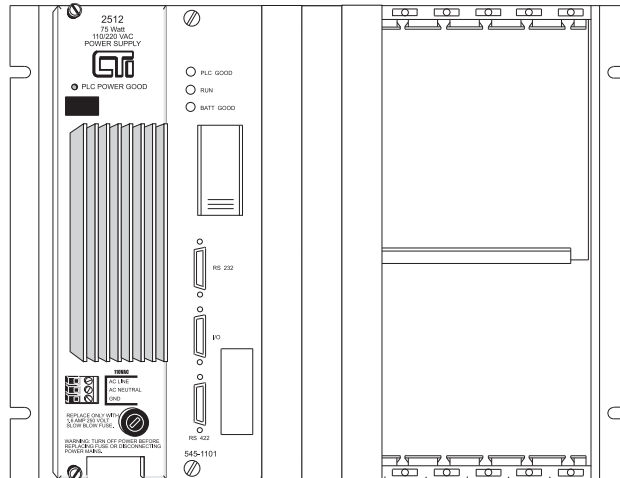
Control Technology Inc.

5734 Middlebrook Pike, Knoxville, TN 37921-5962

Phone: 865/584-0440 Fax: 865/584-5720 www.controltechnology.com

Power Supply, CPU/RBC, and I/O Location in Base

The power supply must always be installed in the left most slot of the base. To the right of the power supply is a slot for a CPU or RBC. The remaining 4, 8 (shown below) or 16 slots are for I/O or communication modules. When using a 2500-R11-A, power supplies are located in the left-most two slots. RBCs are located in the next two slots, followed by up to 11 I/O modules.



WARNING:

Disable all power to the base before installing or removing the power supply. Failure to do so could cause damage to the equipment or injury to personnel.

CAUTION:

Use only CTI or Siemens® power supplies at their rated voltage. Damage to the backplane board and other system components could occur if out of range input voltage is applied.

Installing the Mounting Rack

Use the following steps for installing the mounting rack.

1. Determine if the rack will be mounted with front or rear mounts.
2. Locate the mounting ears in the appropriate front or rear locations with supplied hardware.
3. Mount the rack with screws in four 'ear' slots (screw hardware not included). Include sufficient distance from other heat sources to maximize convection airflow cooling.
4. Follow manufacturer's instructions for proper installation and removal of CPU, RBC, and I/O modules.

Compatibility Note for 2500-R11-A

- CTI 2500-RIO-A Remote Base Controllers are compatible with 2500-R11-A
- CTI 2512 power supplies are not compatible with 2500-R11-A. 2512-A power supplies should be used instead.
- CTI 2500 Series™ Processors support operation with dual power supplies beginning with V3.21 firmware released Sep08.
- CTI 2500 Series™ Processors do not presently operate with dual RBCs (compatibility coming 2010)

Note: For CTI Limited Product Warranty and RMA procedures please go to www.controltechnology.com/support.htm.