

# Composite Rack-Mount Cases

## Satcom & Antenna Technologies Division



### Overview

CPI Satcom & Antenna Technologies Inc. (CPI SAT) 2400, 2800 and 3400 Series Rack-Mount Cases combine rugged durability with a lightweight design. The cases also have the added utility of slide-mounted 19-inch (48.2 cm) slide-out racks that allow unlimited access to electronic equipment during installation, integration and maintenance. Designed from strong GMT composite material, the extreme stiffness, lightweight and durable properties of the cases enable them to withstand the harshest environments including temperature ranges exceeding -20° F (-29° C) to +185°F (85° C). Available in 24", 28" and 34" sizes, the cases provide excellent shock and vibration protection for electronic equipment of all types. Maximum sway space inside the enclosure provides the utmost attenuation of impact energy and unequalled shock and vibration protection.

### FEATURES

- Designed from durable, lightweight GMT Composite material
- Available with wing-turn latches and center grip handles
- Watertight and rugged for harsh environments
- Available from 3U-14U rack heights and 20", 24" & 30" rack depths
- Durable GMT (Glass mat thermoplastic) composite case exterior
- Slide-out riveted aluminum CEA 310 rack with a minimum of eight multi-axis shock mounts
- 10-32 nut-bar fasteners for optional equipment panels
- Two removable covers and external draw pull latches
- Watertight closures
- Molded-in, case-to-case stacking standard
- Recessed hardware
- Available from 3U-14U in rack height with case front-to depths of 24" (60.9 cm) and 28.5" (72.3 cm) with rack depths of 20" (50.8 cm) and 24" (60.9 cm).
- Also available in 3U-9U rack heights at 34" (86.4 cm) case front-to-back depth and 30" (76.2cm) rack depth
- Durable at temperatures exceeding -20° F (-29° C) to +185° F (85° C)
- Designed for equipment weights up to 150 lbs (68.2 kg) standard
- Series 3400 cases may be custom reinforced to accommodate equipment weights up to 230 lbs (104.5 kg).

### BENEFITS:

- Rugged durability
- Slide out racks that allow unlimited access to equipment

### APPLICATIONS:

- Cases meet all commonly required military standards

# CPI Composite Rack-Mount Cases

## Specifications

2400 Series: 20" Rack Depth						
	Outside Case Dimensions			Case Weight (lbs/kg)	Rack Weight (lbs/kg)	Total Weight (lbs/kg)
	Height (in/cm)	Width (in/cm)	Depth (in/cm)			
3U	9.57/24.31	22.53/57.22	30.0/76.2	27.9/12.68	10.5/4.7	38.4/17.5
4U	11.32/28.75	22.53/57.22	30.0/76.2	29.1/13.23	10.8/4.8	39.9/18.14
5U	13.07/33.20	22.53/57.22	30.0/76.2	30.9/14.05	11.1/5.0	42.0/19.09
6U	14.82/37.64	22.53/57.22	30.0/76.2	34.1/15.5	11.4/5.1	45.5/20.68
7U	16.57/42.09	22.53/57.22	30.0/76.2	36.1/16.41	11.8/5.3	47.9/21.77
8U	18.32/46.53	22.53/57.22	30.0/76.2	37.6/17.09	12.1/5.4	49.7/22.59
9U	20.07/50.98	22.53/57.22	30.0/76.2	39.5/17.95	12.4/5.6	51.9/23.59
10U	21.82/55.42	22.53/57.22	30.0/76.2	41.2/18.73	12.7/5.7	53.9/24.5
11U	23.57/59.87	22.53/57.22	30.0/76.2	43.1/19.59	13.0/5.8	56.1/25.5
12U	25.32/64.31	22.53/57.22	30.0/76.2	45.0/20.45	13.3/6.0	58.3/26.5
13U	27.07/68.76	22.53/57.22	30.0/76.2	46.9/21.32	13.6/6.1	60.5/27.5
14U	28.82/73.20	22.53/57.22	30.0/76.2	48.8/22.18	14.0/6.3	62.8/28.55

2800 Series: 24" Rack Depth						
	Outside Case Dimensions			Case Weight (lbs/kg)	Rack Weight (lbs/kg)	Total Weight (lbs/kg)
	Height (in/cm)	Width (in/cm)	Depth (in/cm)			
3U	9.57/24.31	22.53/57.22	34.50/87.63	29.1/13.23	11.0/4.9	40.1/18.23
4U	11.32/28.75	22.53/57.22	34.50/87.63	30.5/13.86	11.3/5.1	41.8/19
5U	13.07/33.20	22.53/57.22	34.50/87.63	32.3/14.68	11.6/5.2	43.9/19.95
6U	14.82/37.64	22.53/57.22	34.50/87.63	35.5/16.14	11.9/5.3	47.4/21.55
7U	16.57/42.09	22.53/57.22	34.50/87.63	37.6/17.09	12.2/5.5	49.8/22.64
8U	18.32/46.53	22.53/57.22	34.50/87.63	39.0/17.73	12.5/5.6	51.5/23.41
9U	20.07/50.98	22.53/57.22	34.50/87.63	40.8/18.55	12.8/5.8	53.6/24.36
10U	21.82/55.42	22.53/57.22	34.50/87.63	42.4/19.27	13.2/5.9	55.6/25.27
11U	23.57/59.87	22.53/57.22	34.50/87.63	44.2/20.09	13.5/6.1	57.7/26.23
12U	25.32/64.31	22.53/57.22	34.50/87.63	46.0/20.91	13.8/6.2	59.8/27.18
13U	27.07/68.76	22.53/57.22	34.50/87.63	47.8/21.73	14.1/6.3	61.9/28.14
14U	28.82/73.20	22.53/57.22	34.50/87.63	49.6/22.55	14.4/6.5	64.0/29.09

3400 Series: 30" Rack Depth						
	Outside Case Dimensions			Case Weight (lbs/kg)	Rack Weight (lbs/kg)	Total Weight (lbs/kg)
	Height (in/cm)	Width (in/cm)	Depth (in/cm)			
3U	9.57/24.31	22.53/57.22	40.14-101.95	35.2/16	13.9/6.30	49.1/22.32
4U	11.32/28.75	22.53/57.22	40.14-101.95	36.6/16.64	14.2/6.44	50.8/23.09
5U	13.07/33.20	22.53/57.22	40.14-101.95	38.0/17.27	14.4/6.53	52.4/23.82
6U	14.82/37.64	22.53/57.22	40.14-101.95	39.5/17.95	14.7/6.66	54.2/24.64
7U	16.57/42.09	22.53/57.22	40.14-101.95	40.8/18.55	14.9/6.75	55.7/25.32
8U	18.32/46.53	22.53/57.22	40.14-101.95	42.2/19.18	15.2/6.89	57.4/26.09
9U	20.07/50.98	22.53/57.22	40.14-101.95	45.3/20.59	15.5/7.03	60.8/27.64

## Options

Colors
Black (Standard)
Green (Optional)
Desert Tan (Optional)

Hardware Material
All Rack-Mount Case hardware is produced in Stainless Steel (Standard)
Black Oxide Coated Stainless Steel is available (Optional)

Optional Hardware Fixtures	
Nut Bars	SAE or Metric
Casters	
Lift Rings	
Stacking Latches	

Lid Options	
3" (7.6 cm) Depth (Standard)	
5" (12.7 cm) Depth (Available as options on the 3U-9U cases only)	
Pouches	Single Lid, Both Lids
Lid Hangers	
Lid Handles	
Center Grip Handle	

Custom Features
Slide-Out Drawer
Slide-Out Shelf
Equipment Interface Panel (Entry and Exit)
Stenciling
Humidity Indicator
Accessible Shock Indicator
ID Plate

CPI SAT Rack-Mount Cases meet all commonly required military standards and specifications for electronic enclosures including MIL-STD-810F Performance Testing.

Contact us at [CustomerCareSAT@cpii.com](mailto:CustomerCareSAT@cpii.com) or call us at +1 770-689-2040.

The data should be used for basic information only.

Formal, controlled specifications may be obtained from CPI for use in equipment design.



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For more detailed information, please refer to the corresponding CPI technical description if one has been published, or contact CPI. Specifications may change without notice as a result of additional data or product refinement. Please contact CPI before using this information for system design.

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