



U N R I V A L E D P R O T E C T I O N

LOADMASTER® RACKMOUNT

RUGGEDIZED CONNECTION

Loadmaster® Rackmount® Cases are the toughest, lightest, most protective, portable military electronic enclosures anywhere. They are extremely durable in any environment. The slide-out rack can be unlatched and removed from the outer case when the rack is empty or when it is filled with electronic equipment. Slide-out 19-inch racks allow unlimited access to electronic equipment during installation, integration, and maintenance. Ruggedized ECS Rackmount Cases have been THE choice of American warfighters for more than 40-years. ECS Loadmaster® Rackmount Cases provide

maximum sway space inside the smallest, lightest, toughest rackmount enclosures available anywhere. Enhanced sway space for the rack allows shock mounts to provide maximum shock and vibration protection for the equipment. Loadmaster® Rackmount Cases provide maximum attenuation of impact energy and unequaled shock and vibration protection for enclosed equipment. Loadmaster® Rackmount case sizes are available from 3U-20U in rack height and front-to-back rack depths of 20.00", 24.00" and 30.00". TSC covers are available in 3" and 5" depths.



IDEAL CUSTOMER:

- MILITARY
- INFORMATION SYSTEMS
- SERVERS
- COMMERCIAL
- MEDIA

FEATURES:

- ALUMINUM RACK
- 3 TO 20 UNIT HEIGHTS
- STACKING
- MULTIPLE COLORS

COMPREHENSIVE SHOCK & VIBRATION PROTECTION

Loadmaster® Rackmount Cases provide excellent shock and vibration protection for electronic equipment of all types. TSC composite materials are very rigid under heavy stacking loads and resilient during impacts. Approximately one third of all impact energy is absorbed by the deflection of the TSC enclosure walls before impact forces are transferred to the shock mounts.

THE ULTIMATE COMPOSITE CASE MATERIAL

Rackmount cases are manufactured from incredibly strong TSC composite. Using compression molding presses up to 1,200-tons in capacity, ECS manufactures these cases of the same composite materials used for car bumpers and military truck components. TSC case shells provide extraordinary impact resistance and rugged durability at temperatures which exceed a range of -65 ° F to 185 ° F. Our cases are water tight TSC providing protection from moisture, salt spray, sand and dust throughout the world's climate extremes. Impervious to fuels, oils and solvents, they can also be decontaminated if exposed to chemical warfare agents.

MIL-STD-810G PERFORMANCE TESTING:

- HIGH / LOW TEMPERATURE
- DROP TESTING
- TRANSPORTATION VIBRATION
- LOOSE CARGO BOUNCE
- WATER SUBMERSION/ WIND
- BLOWN RAIN
- FUNGUS GROWTH
- LOW PRESSURE

TSC RACKMOUNT CASES STACK WITH LOADMASTER STORAGE CASES

Loadmaster® Rackmount Cases have the Loadmaster® patented stacking features. These features allow rackmount cases to stack together and interlock with standard ECS Loadmaster® Shipping Cases and storage cases.

Set-up of military electronic systems has never been easier or more secure. Warehouse storage or palletized shipment of rackmount cases and transit cases has never been safer or more efficient.

Cases are stackable with covers installed or removed. With covers removed, electronic equipment is accessible front and back for ease of cabling and operation. Exterior stacking features securely engage and prevent shifting of cases. Optional case-to-case pivot latches are available to secure stacked cases together, but they rotate for retention during case shipment.



EIA/CEA 310-E COMPLIANT EQUIPMENT RACKS

EIA/CEA 310-E compliant shock mounted interior racks are manufactured from precision machined aluminum extrusions. Riveted aluminum vertical rails on these 19-inch racks provide multiple equipment mounting capabilities. Racks have equipment mounting holes in front and rear vertical members and interior vertical rails for attachment of slides and brackets.

Two rackmount fastener types are available - Threadlocking 10-32 clip nuts or stainless steel nut bars with 10-32 tapped holes. 19-inch CEA-310-E compliant racks are suspended within the center bodies of rackmount cases using multi-axis elastomeric shock mounts. Shock mounts are configured for the weight and center of gravity of the installed equipment. Optional shock mount configurations and spring rates can be provided to support a broad range of equipment weights and equipment centers-of-gravity



THE ECS DIFFERENCE	ECS RACKMOUNT®	COMPETITORS RACKMOUNTS
Material	Glass mat fiberglass in polypropelene base	Rotationally molded LLDPE
Tensile Strength	14,000 PSI	4,000 PSI
Tensile Modulus	850,000 PSI	75,000 PSI
Flexural Strength	24,000 PSI	N/A
Flexural Modulus	800,000 PSI	105,000 PSI
Thermal Deflection	185 °F	122 °F
Payload	Up to 350 lbs.	Up to 150 lbs.
Standard Sizes	3U to 20U	N/A
Fastener Inserts & Lid Hangers	Molded in threaded inserts to eliminate leak and NBC paths	N/A
FEATURES	Stacking Latches, Ergonomic Handles, Air Valves, Gaskets, Lid Handles, Locking Latches	N/A
OPTIONS	Clip Nuts or Nut Bars, Casters, Lid Pouches, Centergrip Handles, I/O Panels, Louvers, L-Bars, 3" Edge Casters or 5" Side-Mount casters, Removable Casters	N/A