



POWER & NETWORKING SOLUTIONS

Since it was established in 1922 by AT&T, the 19" Rack-mount format has become the most popular standard cabinet for mounting multiple electronic equipment. It is used almost anywhere; you can find it aboard ships, in shelters, as a vibration and shocks isolated cabinets in trucks and trailers, and in almost any large installation of electronic equipment. Controlled by EIA-310-E and IEC 60297-3-100, the 19" Rack-mount formate provides a common frame that allows mechanical integration of equipment from multiple manufactures in a single, common enclosure, with emphasize on simple instantiation and easy maintainability. Enercon Technologies delivers off-the-shelf, purpose-built power and networking products as well as modified and customized solutions that meet customer needs.



CUSTOM 19" SOLUTIONS TO FIT MILITARY RACK APPLICATION CHALLENGES - THE M9201 USE CASE

Our customer's project required implementation of a 3-phase high power AC-DC power supply for a 19" 2U rack. The off-the-shelf 3.2Kv AC-DC power supply exceeded this project's required size. Milpower's engineering team approached the customer's needs and created the M9201 – 3.6Kv high performance rugged AC-DC power supply. It converts a three-phase 440VAC/60Hz (delta), shipboard power to a regulated filtered and protected 48VDC output. With Ethernet control and monitoring, full-load power factor higher than 0.98 and MIL-STD-1399-300B & MIL-STD-461G compliance, all in a 19" Rackmount unit, 2U high and 17" deep, we overcame the challenge!



Ask us about our complete line of power and networking products.
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POWER



M9201 SERIES

3.6KW THREE PHASE AC-DC MILITARY POWER SUPPLY

- 404-519VAC input voltage
- 48VDC output voltage
- Form factor: 17" X 19" X 3.47", 2U
- Ethernet control and monitoring
- Standards: MIL-STD-1399-300B, MIL-STD-461, MIL-STD-810



M362 SERIES

2.5KW SINGLE-PHASE UPS

- 115-230VAC input voltage
- 115VAC output voltage
- Form factor: 19" X 18.25" X 5.2", 3U
- Long Holdup time: over 2 hours at 1KW and one hour at 2KW
- Standards: MIL-STD-1399-300B, MIL-STD-810, MIL-DTL-901, MIL-STD-167, MIL-STD-461



M359-3 SERIES

2KW THREE-PHASE UPS

- 115VAC input voltage
- 115VAC output voltage
- Form factor: 19" X 18.25" X 5.2", 3U
- RS232 or Ethernet control and monitoring
- 10-minutes holdup time @ 1.5KW
- Standards: MIL-STD-1399-300B, MIL-STD-810, MIL-DTL-901, MIL-STD-167, MIL-STD-461



M1012 SERIES

1.25KW/1.5KVA DOUBLE-CONVERSION 1U RACK MOUNTED MODULAR UPS

- 85-265VAC / 45-65Hz single-phase input voltage
- Load capability: 1.25kW / 1.5kVA / 800VAR
- Up to 1.5kW momentary peak
- Form factor: 16.85" (19") x 24" x 1.72" (1U)
- Remote control and monitoring via Serial and Ethernet communication interfaces
- Lithium Iron Phosphate battery
- Internal modular design - Modules can be swapped for different requirements (e.g. DC/AC, AC/DC, DC/DC)
- Standards: MIL-STD-704, MIL-STD-810, MIL-STD-461

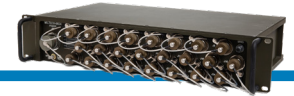
NETWORKING



MILTECH 9022 SERIES

12 PORT WITH 4 X 10G FIBER PORT MILITARY MANAGED ETHERNET SWITCH/ROUTER

- 12 X 1G Copper + 4 X 1/10G Fiber Ports
- Power input: 24VDC (18 - 32VDC) / 220VAC (90 - 230VAC)
- Power consumption: 20W
- Form factor: 19" X 9.53" X 1.73", 1U
- L2/L3 network capabilities: virtual LANS (VLANS), traffic prioritization/QoS, IPv4/IPv6 support, and bandwidth aggregation
- Standards: MIL-STD-1275, MIL-STD-704, MIL-STD-810, MIL-STD-461, IP67



MILTECH 9024 SERIES

24 PORT GIGABIT MILITARY MANAGED ETHERNET SWITCH/ROUTER

- 24 X 1G Copper Ports (D38999 LAN connectors)
- Power input: 24VDC (18 - 32VDC) / 220VAC (90 - 230VAC)
- Power consumption: 30W
- Form factor: 19" X 10.63" X 3.47", 2U
- L2/L3 network capabilities: virtual LANS (VLANS), traffic prioritization/QoS, IPv4/IPv6 support, and bandwidth aggregation
- Standards: MIL-STD-1275, MIL-STD-704, MIL-STD-810, MIL-STD-461, IP67



MILTECH 9028 SERIES

24 PORT WITH 4 X 10G FIBER PORT MILITARY MANAGED ETHERNET SWITCH/ROUTER

- 24 X 1G Copper + 4 X 1/10G Fiber Ports
- Power input: 24VDC (18 - 32VDC) / 220VAC (90 - 230VAC)
- Power consumption: 30W
- Form factor: 19" X 11.18" X 3.49", 2U
- L2/L3 network capabilities: virtual LANS (VLANS), traffic prioritization/QoS, IPv4/IPv6 support, and bandwidth aggregation
- Standards: MIL-STD-1275, MIL-STD-704, MIL-STD-810, MIL-STD-461, IP67