



## POWER & NETWORKING SOLUTIONS

Milpower Source leverages over 40 years of experience to deliver purpose-built power and networking products that meet the demanding requirements of unmanned and manned combat vehicles.



### THE CHALLENGES OF AUTONOMOUS VEHICLES IN MILITARY MISSIONS

Autonomous vehicles' main challenge is their need to combine decision-making and real-time control. This is being achieved by sensor technology – gathering situational data through radar, LIDAR, and electro-optics – as well as complex software algorithms processed from huge amounts of collected data. These solutions must also be designed to fit the very small size and weight requirements as well as harsh environmental conditions. We withstand the challenge!

### WHY CHOOSE MILPOWER SOLUTIONS?

- SWaP (size, weight and power)
- Rugged mechanical design
- Wide DC input range: 6V-100V
- Power management capabilities including communication interfaces
- Designed to meet: MIL-STD-1275, MIL-STD-810, MIL-STD-461, IP67
- Networking features include Layer 2 and Layer 3 capabilities, management capabilities, and the latest networking and security protocols



MILPOWER WELCOMES THE OPPORTUNITY TO CONFIGURE OUR PRODUCTS TO YOUR SPECIFICATIONS. TO SPEAK WITH AN EXPERT, EMAIL [SALES@MILPOWER.COM](mailto:SALES@MILPOWER.COM).

## POWER



### M7525 SERIES 800W DC-DC MILITARY POWER SUPPLY WITH 1KV PEAK POWER

- For powering 1kV devices for short periods
- 18-48V Input voltage (extended input options: 12-100V)
- Small form factor: 6.24" X 4.64" X 1.15"
- Weighs only 35.27oz
- Can be configured as a charger
- Can be designed per sealed enclosure (IP67)
- Current share option for higher power



### M7019 SERIES 100W DC-DC MILITARY POWER SUPPLY

- Small size: 3.26" X 1.83" X 0.72"
- Weighs only 4.73oz
- 18-48V Input voltage (extended input options: 6-100V)
- Can be configured as a charger
- Can be designed per sealed enclosure (IP67)
- Current share option for higher power



### M7027 SERIES 500W DC-DC MILITARY POWER SUPPLY

- Small size: 5.31" X 2.76" X 0.81"
- Weighs only 14.11oz
- 18-48V Input voltage (extended input options: 12-100V)
- Can be designed per sealed enclosure (IP67)
- Current share option for higher power



### M7029 SERIES 300W DC-DC MILITARY POWER SUPPLY

- Small size: 3.75" X 2.76" X 0.81"
- Weighs only 10.58oz
- 18-48V Input voltage (extended input options: 12-100V)
- Can be designed per sealed enclosure (IP67)
- Current share option for higher power

## PDU



### M9517 SERIES 16 CHANNEL MILITARY PDU, 200A & CANBUS COMMUNICATION INTERFACE

- Enables to manage the power of all devices
- Input power: 6-33VDC
- 12 channels of 28Vdc
- Surge immunity of 100V
- Eliminates extra cables



### M9547 SERIES 16 CHANNEL MILITARY PDU, 200A & ETHERNET COMMUNICATION INTERFACE

- Enables to manage the power of all devices
- Input power: 16-40VDC
- ATPD-2404 vehicle sealed
- Surge immunity of 100V
- Suitable for large UGVs

## NETWORKING



### MILTECH 9012 SERIES 12 PORT COMPACT MILITARY MANAGED GIGABIT ETHERNET SWITCH/ROUTER

- Managed Layer 3 Ethernet Switch/Router
- 12 X 10/100/1000TX ports
- Power input: 24VDC (18 - 70VDC)
- Power consumption: 13W
- Compact size: 6.55" X 5.67" X 2.2"
- Weighs only 38.8oz



### MILTECH 918 SERIES 8 PORT SMALL MILITARY MANAGED GIGABIT ETHERNET SWITCH

- Fully managed Layer 2 Ethernet Switch
- 8 X 10/100/1000TX ports
- Power input: 24VDC (16 - 36VDC)
- Power consumption: 8W
- Small size: 3.94" X 3.5" X 1.42"
- Weighs only 13.76oz