POWER DISTRIBUTION SOLUTIONS

MIL-STD GRADE POWER

POWER DISTRIBUTION SOLUTIONS DESIGNED FOR MILITARY APPLICATIONS

Milpower Source designs and manufactures exceptional military power conversion, PDU and networking solutions, which can be rapidly tailored for our customers' unique requirements. Our solutions set the standard for thermal, EMI and shock/vibe management, are compliant with MIL-Standards and are field-proven in the most demanding application environments.

STANDARD PDU FEATURES:

- 28V and 270V Solutions
- Modular Single-Channel, Standard Multi-Channel Configurations & Custom Designs Available
- Input: 6-33VDC Steady-State
- User-Configurable Channels
- D-Subminiature Connectors (Circular Connectors Optional)
- Control via CAN, RS-485 Ethernet Communications
- Conformal Coating of PCA's for Salt, Fog & Corrosion Prevention
- Adjustable Trip & Short Circuit Limit
- Custom Form Factors Available

WHY CHOOSE A MILPOWER PDU SOLUTION?

- Software & hardware can be tailored to customer needs
- Very low drop power distribution, >99% efficiency
- Prevent over load or short with real current limiting
- Fully autonomous monitoring & trip
- Industry leading short circuit peak current limit
- Input spike & reverse voltage protection
- High resolution current & voltage telemetry
- Designed to meet MIL-STD-704, DO-160 or MIL-STD-1275, and environmental per MIL-STD-810

MILPOWER SOURCE

7 Field Lane • Belmont, NH 03220
1-603-267-8865 • sales@milpower.com
www.milpower.com

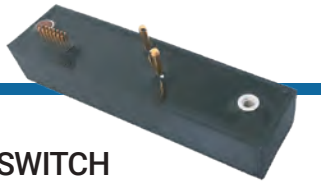
POWER DISTRIBUTION SOLUTIONS

MIL-STD GRADE POWER

M9516 SERIES

POWER DISTRIBUTION UNIT

- Input Power: 6-33VDC
- Input Current: 200A
- Outputs: Eight
- Operating Temp: -55°C to 105°C
- Designed to Meet: MIL-STD-1275, MIL-STD-810, MIL-STD-461



M9526 SERIES

SINGLE CHANNEL SMART SWITCH

- Easy to Integrate – Simple I2C communication
- Input Voltage: 0V-50V (Power Train)
- Output Current: 30A
- Operating Temp: -55°C to 105°C
- Designed to Meet: MIL-STD-810, MIL-STD-461

M9538 SERIES

8 CHANNEL POWER DISTRIBUTION UNIT

- 8-channel managed power distribution unit.
- Distributes 28VDC through overload and short-circuit protected switches.
- Supports Ethernet communications to control and configure Ethernet Interfaces (Static & Dynamic IP configurations).
- 3 Discrete inputs (DCI, RAT, WP) and 1 Discrete output (Trip error output).
- Large capacitance charge capability.
- Sources a universal input connector to handle 100 amps.
- Complies with MIL-STD-704F, DO-160G and EN2282.
- Designed for airborne and ground applications.

NETWORKING SOLUTIONS

ASK US ABOUT OUR LINE OF NETWORKING PRODUCTS

- Complete line of 1/10/40G Ethernet Switches, Routers and SOSA™ aligned VPX
- Available in packages & board-level configurations
- Unmanaged or Managed with the latest networking & security protocols
- Comply with MIL-Standard specifications

MOTS

MILPOWER WELCOMES THE OPPORTUNITY TO CONFIGURE OUR PRODUCTS TO YOUR SPECIFICATIONS

If you require a custom solution, we invite you to speak directly with our experienced design engineers today to define your specifications and create a solution that meets your needs.

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MIL-STD GRADE POWER

HIGH VOLTAGE ARCHITECTURE FOR GROUND VEHICLES

Vehicle original equipment manufacturers (OEM) have attempted to keep pace with the end user's hunger for high electronic power-consuming systems on board. High output alternators, more powerful engines, more channels and capacity available on the power management system are implemented to support the growing demand. Understanding the Challenges and the architecture, Milpower Source offers a complete line of power solutions to support the high voltage vehicle electrification.

DELIVERING:

- Product portfolio complying with MIL-PRF-GCS600
- Support to legacy systems requiring MIL-STD-1275
- HV PDU - 600VDC Power Distribution units (PDU)
- Complete range of DC to DC in various rates to support the different voltage demands
- BI directional bi-directional converter for 600VDC to 28VDC
- Rugged mechanical design
- Power management capabilities including communication interfaces

MILPOWER SOURCE

Ask us about our complete line of power and networking products.
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ELECTRIFIED GROUND VEHICLES

POWER

M4244-105 SERIES
500W RUGGED DC-DC POWER CONVERTER
- Designed to meet MIL-STD-704, MIL-STD-1275, MIL-STD-810 and MIL-STD-461

M7420-105 SERIES
100W RUGGED DC-DC POWER SUPPLY
- Designed to meet MIL-STD-704, MIL-STD-1275, MIL-STD-810, MIL-STD-461

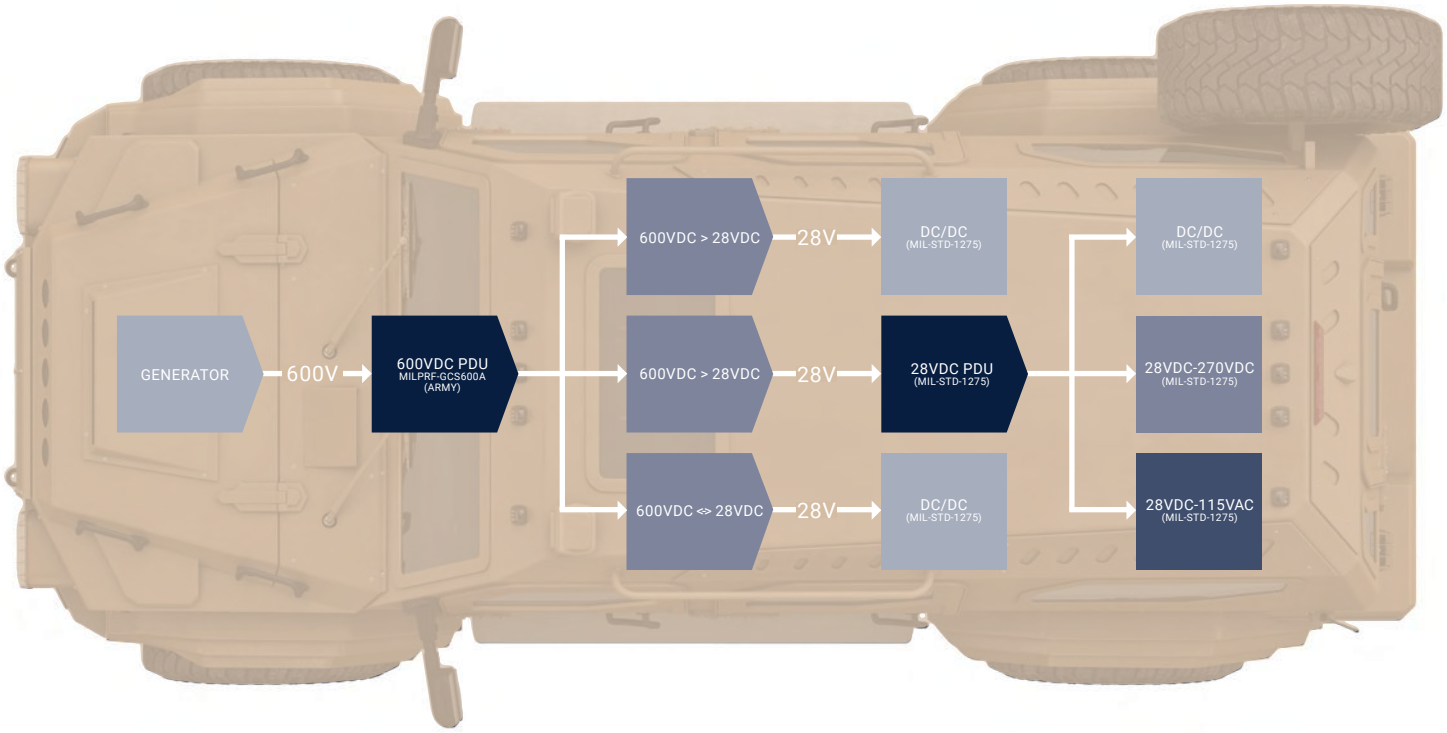
M6242-100 SERIES
RUGGED HI-REL DC-AC INVERTER
- Designed to meet MIL-STD-461, MIL-STD-704, MIL-STD-810, MIL-STD-1275, MIL-STD-1399, RTCA DO-160, EN2282, MIL-DTL-901 and DEF Stan 61-5

M4252-100 SERIES
RUGGED HI-REL DC-AC INVERTER
- Designed to meet MIL-STD-461, MIL-STD-704, MIL-STD-810, MIL-STD-1275, MIL-STD-1399, RTCA DO-160, EN2282, MIL-DTL-901 and DEF Stan 61-5

SOON TO BE RELEASED
600V RUGGED DC-DC POWER CONVERTER
- Designed to meet MILPRF-GCS600A, MIL-PRF, MIL-STD-810, MIL-STD-461

PDU

SOON TO BE RELEASED M9614
8 CHANNEL, 80A, HIGH VOLTAGE POWER DISTRIBUTION UNIT
- Designed to meet MIL-PRF-GCS600



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AUTONOMOUS MILITARY COMBAT GROUND VEHICLE SOLUTIONS

MIL-STD GRADE POWER

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

MOTS

MILPOWER WELCOMES THE OPPORTUNITY TO CONFIGURE OUR PRODUCTS TO YOUR SPECIFICATIONS. TO SPEAK WITH AN EXPERT, EMAIL **SALES@MILPOWER.COM**.

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AUTONOMOUS MILITARY COMBAT GROUND VEHICLE SOLUTIONS

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

MILPOWER SOURCE

OPTIONALLY MANNED FIGHTING VEHICLES

MIL-STD GRADE POWER

POWER & NETWORKING SOLUTIONS

Milpower Source products are designed to meet or exceed standard requirements defined in MIL-STD-1275, MIL-STD-461 and MIL-STD-810. Proudly serving the US ground vehicle industry, our power and networking solutions are designed to ensure consistent performance in harsh climates, varying temperatures, and unique shock & vibration conditions. With over 40 years of experience, our design engineers have the expertise to deliver light-weight power modules, PDUs, Ethernet switches, routers, and media converters that pass qualifications the first time. Our products consistently provide mission-ready performance for combat vehicles, and UGVs.

STANDARD POWER FEATURES

- SWaP (size, weight and power)
- Rugged mechanical design
- Wide DC input range: 6V-100V
- Experience in High Voltage Architectures (600VDC)
- Power management capabilities including communication interfaces
- PDU units feature Surge immunity of 100V
- Can be designed per sealed enclosure (IP67)
- Design to meet: MIL-STD-1275, MIL-STD-810, MIL-STD-704, MIL-STD-461 Standards

STANDARD NETWORKING FEATURES

VICTORY

- SWaP (size, weight and power)
- Rugged mechanical design
- VICTORY Architecture Compliant & Tested Solutions
- Layer 2 and Layer 3 capabilities
- Management capabilities
- The latest networking & security protocols
- PoE (power over Ethernet) support
- Design to meet: MIL-STD-1275, MIL-STD-810, MIL-STD-704, MIL-STD-461, IP67 Standards

CHALLENGE US: Milpower routinely succeeds where others have failed. Put us to the test with your next power solution project. We will deliver an exceptional product, backed by high-quality service, to satisfy the most difficult military application needs.

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OPTIONALLY MANNED FIGHTING VEHICLES

POWER CONVERSION SOLUTIONS

	MODEL	DESCRIPTION	INPUT	DIMENSIONS
	M7525	800W DC-DC POWER SUPPLY	18-48V EXT. OPTION: 12-100V	6.24" X 4.64" X 1.15" 35.27oz
	M7019	100W DC-DC POWER SUPPLY	18-48V EXT. OPTION: 6-100V	3.26" X 1.83" X 0.72" 4.73oz
	M7027	500W DC-DC POWER SUPPLY	18-48V EXT. OPTION: 12-100V	5.31" X 2.76" X 0.81" 14.11oz
	M7029	300W DC-DC POWER SUPPLY	18-48V EXT. OPTION: 12-100V	3.75" X 2.76" X 0.81" 10.58oz
	M7338	600W DC-DC POWER SUPPLY	18-48V EXT. OPTION: 12-100V	6.11" X 4.75" X 0.7" 17.99oz

POWER MANAGEMENT SOLUTIONS

	MODEL	DESCRIPTION	INPUT	DIMENSIONS
	M9517	16 CHANNELS, 200A & CANBUS COMMUNICATION INTERFACE	6-33VDC	10.2" X 4.64" X 0.95" 52.91oz
	M9547	16 CHANNELS, 200A & ETHERNET COMMUNICATION INTERFACE	16-40VDC	11.54" X 2.5" X 6.25" 141.1oz

NETWORKING SOLUTIONS

	MODEL	PORTS/SPEED	L2/L3 ROUTING	INPUT	DIMENSIONS
	MILTECH 918	8 PORT X 1G ETHERNET	L2	24VDC (16 - 36VDC), 8W	3.94" X 3.5" X 1.42" 13.76oz
	MILTECH 908	8 PORT X 1G ETHERNET	L2	24VDC (18 - 32VDC), 7W	10.59" X 5.23" X 2.82" 52.91oz
	MILTECH 910-PoE	8 PORT X 1G ETHERNET +POE	L2	24VDC (18 - 32VDC), 330W	10.59" X 5.24" X 2.8" 42.33oz
	MILTECH 912	12 PORT X 1G ETHERNET	L2	24VDC (16 - 36VDC), 7W	4.7" X 7" X 1.18" 40.57oz
	MILTECH 9012	12 PORT X 1G ETHERNET	L3	24VDC(18 - 70VDC),13W	6.55" X 5.67" X 2.2" 38.8oz
	MILTECH 9012C	12 PORT X 1G ETHERNET WITH CISCO ESR	L3	24VDC (18 - 72VDC), 25W	6.54" X 5.67" X 2.68" 38.8oz
	MILTECH 9022	12 PORT X 1G 4 X 1/10G F/O ETHERNET	L3	24VDC (18 - 32VDC) OR 220VAC (90 - 230VAC), 20W	18.98" X 9.53" X 1.73" 109.35oz
	MILTECH 9028	24 PORT X 1G 4 X 1/10G F/O ETHERNET	L3	24VDC (18 - 32VDC) OR 220VAC (90 - 230VAC), 30W	19.02" X 11.18" X 3.49" 194.01oz

MILPOWER SOURCE

MILITARY-GRADE ETHERNET


MILTECH 304


MILTECH 907


MILTECH 918


MILTECH 912


MILTECH 908

Ethernet Switches Managed and unmanaged Fast and Gigabit Ethernet solutions with industry-leading SWAP-C

PACKAGED SWITCHES

PRODUCT	MANAGEMENT	PORTS	INGRESS	DIMS (LxWxH) IN MM	CONNECTORS	WEIGHT	OPERATING TEMP	MIL-STD	POWER
MILTECH 304	Unmanaged	4 x 10/100	IP68	82.2 x 53 x 25.9 (inc connectors)	Power + LAN: SCE2-B-76A06-07SN-001	130 g	-45C to +85C	MIL-STD-810F/G MIL-STD-461E	5VDC, 2W (Typical)
MILTECH 308	Unmanaged	8 x 10/100	IP68	82.2 x 64.1 x 25.9 (inc connectors)	Power + LAN: SCE2-B-76A06-07SN-001	140 g	-45C to +85C	MIL-STD-810F/G, MIL-STD-461E	5VDC, 2W (Typical)
MILTECH 610	Unmanaged	8 x 10/100	IP67	269 x 133 x 61	Power: D38999/24WA98PA • LAN: D38999/24WA35SN	1.5 Kg	-45C to +85C	MIL-STD-810F/G, MIL-STD-461E, MIL-STD-1275/704A	18-32VDC, 2.8W (Typical)
MILTECH 904	Managed	4 x 10/100/1000	IP68	100 x 73.3 x 36	Power: SCE2-B-76A06-075N • LAN : SCE2-B-76A07-145N	370 g	-45C to +85C	MIL-STD-810F/G, MIL-STD-461E, MIL-STD-1275/-704A	16-36VDC, 8W (Typical)
MILTECH 907	Managed	5 x 10/100/1000		113 x 54 x 406 (not inc connectors)	Single D-Type 44 pins connector with: Power + LAN, 3 Separate pins for RS232 management, LED Indication Per Port (Link/Activity): DD44M32S0T	250 g	-45C to +85C	MIL-STD-810F/G, MIL-STD-461E	16-36VDC, 5W (Max).
MILTECH 908	Managed	8 x 10/100/1000	IP67	286.4 x 157.5 x 51.6	Power: D38999/24WA98PA • LAN: D38999/24WA35SN	1.5 Kg	-45C to +85C	MIL-STD-810F/G, MIL-STD-461E, MIL-STD-1275/704A	18-32VDC, 7W (Typical)
MILTECH 912	Managed	12 x 10/100/1000	IP67	178 x 136 x 47.1	Power: D38999/24WB35PN • LAN: D38999/24WF-35PN	1.15 Kg	-45C to +85C	MIL-STD-810F/G, MIL-STD-461E, MIL-STD-1275/704A	13-36VDC, 7W (Typical)
MILTECH 918	Managed	8 x 10/100/1000	IP67	100 x 89 x 36	Power: SCE2-B-76A06-07SN • LAN: SCE2-B-76A07-14SN-001	390 g	-45C to +85C	MIL-STD-810F/G, MIL-STD-461E, MIL-STD-1275/704A	16-36VDC, 8W (Typical)
MILTECH 928	Managed	8 x 10/100/1000	IP67	287 x 147 x 50	Power: D38999/24WA98PA, • LAN: MIL-Grade RJ45 RJFTV • RS232: SCE2-B-76A06-075N-001	1.1 Kg	-45C to +85C	MIL-STD-810F/G, MIL-STD-461E, MIL-STD-1275/704A	18-32VDC, 7W (Typical)
MILTECH 948	Managed	8 x 10/100/1000 + 2 x 100/ or 1000BaseFX	IP67	209 x 146 x 63	Power: D38999/24WB35PN • LAN: D38999/24WF-35PN • Fiber: FS4H8000-6A13 (TFOCA-II)	1.1 Kg	-45C to +85C	MIL-STD-810F/G, MIL-STD-461E, MIL-STD-1275/704A	18-32VDC, 7W (Typical)
MILTECH 24FO	Managed	24 x 1000BaseFX fiber optic	IP 67	214.3 x 94.3 x 50.2	Power: TV07RW9-9PNF312 • LAN: 4 SIM 2D 44 VG	1.1 Kg	-45C to +85C	MIL-STD-810F/G, MIL-STD 461E, MIL-STD 1275, MIL-STD 704	18-40 VDC, 20W (Typical)


MILTECH 919


MILTECH 309


MILTECH 718


MILTECH 9136


MILTECH 914

BOARD-LEVEL SWITCHES

PRODUCT	MANAGEMENT	PORTS	INGRESS	DIMS (LxWxH) IN MM	CONNECTORS	WEIGHT	OPERATING TEMP	MIL-STD	POWER
MILTECH 309	Unmanaged	8 x 10/100	N/A	43.18 x 71 x 11.4	Power + LAN : Samtec Board-to-Board	40 g	-45C to +85C	MIL-STD 810F/G, MIL-STD-461*	5VDC, 2W (Typical)
MILTECH 718	Unmanaged	8 x 10/100/1000	N/A	70 x 40 x 28	Power + LAN : Samtec Board-to-Board	45 g	-45C to +85C	MIL-STD 810F/G, MIL-STD-461*	6-32VDC, 5W (Typical)
MILTECH 919	Managed	8 x 10/100/1000 • 1 x 1000BaseFX	N/A	107 x 48 x 15	Power + LAN : Samtec Board-to-Board	52 g	-45C to +85C	MIL-STD 810F/G, MIL-STD-461*	6-36VDC, 8W (Typical)
MILTECH 914	Managed	14 x 10/100/1000	N/A	125 x 95 x 20	LAN: Samtec + ERNI, Console: Molex, Power: Molex	52 g	-45C to +85C	MIL-STD 810F/G, MIL-STD-461*	6-19DC, 14W (Typical)
MILTECH 9136	Managed	24 x 10/100/1000 • 8 x 1000BaseFX • 4 x 10000 • Optional 16 x 1000BaseFX	N/A	87 x 87	Board-to-Board Connector TE P/N: 3-1827231-6	250 g	-45C to +85C	MIL-STD 810F/G, MIL-STD-461*	4-18 VDC, 15W (Typical)

*** When housed in appropriate enclosure**


MILTECH 910-POE


MILTECH 610-POE


MILTECH 402

POWER OVER ETHERNET SWITCHES

PRODUCT	MANAGEMENT	PORTS	INGRESS	DIMS (LxWxH) IN MM	CONNECTORS	WEIGHT	OPERATING TEMP	MIL-STD	POWER
MILTECH 610-POE	Managed	8 x 10/100TXPoE+	IP67	269 x 133 x 61	Power: D38999/24WA98PA • LAN: D38999/24WA35SN	1.5 Kg	-45C to +85C	MIL-STD-810F/G • MIL-STD-461E • MIL-STD-1275/704A	18-32 VDC • 6W (Typical)
MILTECH 910-POE	Managed	8 x 10/100/1000TX PoE+	IP67	269 x 133 x 71	Power: D38999/24WC04PN • LAN: TV07RW9-9SS25 • RS232: TV07RW9-9ss25	1.2 Kg	-45C to +85C	MIL-STD-810F/G • MIL-STD-461E • MIL-STD-1275/704A	18-32 VDC • 7W (Typical)
MILTECH 402	Unmanaged	2 x PoE, 10/100 (Fast Ethernet) 1 x 10/100 (Fast Ethernet) + 5V/1.5A Power • 2 x 10/100 (Fast Ethernet) + 10V -16.8V/5A (Vbat) Power	IP67	100 x 94.2 x 34.1	Power: SCE2-B-76A -10ASN • LAN/PoE: SCE2-B-76A06-07SN • PAN1: SCE2-B-76A06-07SN • PAN2,3: SCE2-B-76A-14SN	2.8 Kg	-40C to +85C	MIL-STD-810F/G/GM •MIL-STD-461E	10-16.8 VDC • 140W (Max)

Milpower Source, Inc.
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MILTECH 9012C


MILTECH 9116


MILTECH 9124


MILTECH 9028

Routers LAN and WAN connectivity in a single device with L2/L3 network switching and routing capabilities.

PRODUCT	MANAGEMENT	PORTS	INGRESS	DIMS (LxWxH) IN MM	CONNECTORS	WEIGHT	OPERATING TEMP	MIL-STD	POWER
MILTECH 9012	Managed	12 x 10/100/1000	IP67	166.4 x 144 x 56	Power: SCE2-B-76A07-10ASN • LAN : SCE2-B-76A07-14SN	1.1 Kg	-45C to +85C	MIL-STD-810F/G • MIL-STD-461E • MIL-STD-1275/704A	18-72VDC • 13W (Typical)
MILTECH 9012C	Managed	12 x 10/100/1000 1 Linux single board computer	IP67	166 x 144 x 68	Power: SCE2-B-76A07-10ASN • LAN : SCE2-B-76A07-14SN	1.2 Kg	-45C to +85C	MIL-STD-810F GM • MIL-STD-461E • MIL-STD-1275B/704A	18-72VDC • 25W (Typical)
MILTECH 9124	Managed - PCBA	24 x 10/100/1000	N/A	90 x 65 x 5	SAMTEC Board-to-Board Connector 2 x ERM8-50-09.0-L-DV	52 g	-45C to +85C	MIL-STD 810F/G • MIL-STD-461*	3.3VDC • 25W (Typical)
MILTECH 9128	Managed-PCBA	24 x 10/100/1000 + 4 x 10GE	N/A	90 x 90 x 5	SAMTEC Board-to-Board Connector 2 x ERM8-50-09.0-L-DV	52 g	-45C to +85C	MIL-STD 810F/G • MIL-STD-461*	3.3VDC • 25W (Typical)
MILTECH 9022	Managed	12 x 10/100/1000	IP67	440 x 370 x 44	D38949/24WC04PN • LAN: SCE2-B-76A07-14SN	3.1Kg	-45C to +85C	MIL-STD-810F/G • MIL-STD-461E • MIL-STD-1275/704A	18-32VDC • 20W (Typical) or 230VAC
MILTECH 9028	Managed	24 x 10/100/1000 + 4 x 10GE	IP67	483 x 2840 x 88.6	Power : MIL-D-D3899924WC04PN • LAN : SCE2-B-76A07-14SN	5.5 Kg	-45C to +85C	MIL-STD-810F/G • MIL-STD-461E • MIL-STD-1275/704A	18-32VDC • 20W (Typical)
MILTECH 9024	Managed	24 x 10/100/1000	IP67	428 x 270 x 88.1	Power: MIL-D-38999/24WC04PN LAN: MIL-D-38999 TV07RW9-09S	5.5k Kg	-45C to +80C	MIL-STD-810F/G, MIL-STD 461E, MIL-STD 1275B, MIL-STD 704A	18-32 VDC • 20W (Typical)
MILTECH 9116	Managed	12 x 1000/10G Copper, up to 4 x 10G fiber	IP 67	426 x 204 x 70	LAN : 3 x 10-646402-643N Optical : 2 x TacBeam EB4H8000-3443v	4 Kg	-45C to +75C	MIL-STD-810F/G, MIL-STD 461E, MIL-STD 1275B, MIL-STD 704A	24 VDC (18-32V) • 80W (Typical)

*** When housed in appropriate enclosure**


MILTECH 948


MILTECH 1000

Media Converters Extend the distance of an existing network, the life of non-fiber-based equipment or the distance between two devices.

PRODUCT	MANAGEMENT	PORTS	INGRESS	DIMS (LxWxH) IN MM	CONNECTORS	WEIGHT	OPERATING TEMP	MIL-STD	POWER
MILTECH 948	Managed	8 x 10/100/1000 + 2 x 1000BaseFX	IP67	209 x 146 x 63	Power: D38999/24WB35PN • LAN: D38999/24WF-35PN • Fiber: FS4H8000-6A13 (TFOCA-II)	1.1 Kg	-45C to +85C	MIL-STD-810F/G • MIL-STD-461E • MIL-STD-1275/704A	18-32VDC • 7W (Typical)
MILTECH 1000	Unmanaged	Up to 2 x 10/100/ 1000BaseTX • Up to 2 x 100/1000 BaseFX	IP67	170 x 151 x 61	Power: D38999-24WA98PA • LAN: D38999-24WB35SN	1.5 Kg	-45C to +85C	MIL-STD-810F/G • MIL-STD-461E • MIL-STD-1275/704A	18-32VDC • 2.8W (Typical)


MILTECH 303


MILTECH 16SER


MILTECH 8P


MILTECH 410


MILTECH 404

MILTECH VGA

USB Solutions LAN, USB and serial communication in lightweight, ultra-compact form factors.

PRODUCT	PORTS	INGRESS	DIMS (LxWxH) IN MM	CONNECTORS	WEIGHT	OPERATING TEMP	MIL-STD	POWER
MILTECH 300 HoB	1 x USB3.1/USB2 upstream • 5 x USB3.1/USB2 downstream • 1 x 10/100/1000BT via USB to LAN Bridge • 1 x IO for I2C/SPI/GPIO/External Power Input	N/A	73 x 38 x 11	2 x Samtec Board-to-Board Connector QTE-028-01-L-D-DP-A-K	24.2 g	-40C to +85C	N/A	5VDC (USB) input • Upstream USB Port # 1, or 12-28VDC external power source for high power applications • Output 5VDC Aggregated up to 15A, up to 2A per port
MILTECH 303	1 x USB3.1/USB2 upstream • 5 x USB3.1/USB2 downstream 1 x 10/100/1000BT via USB to LAN Bridge 1 x IO port for I2C/SPI/GPIO/ External Power Input • Per port LEDs indication	IP68	89.8 x 70.2 x 21.2 (not inc dust caps)	ODU AMC-HD Series Upstream port 12 pins connector • ODU AMC-HD Series Downstream ports 12 pins connector PN: GK0WAM-P12UM00-000L	140 g (inc dust caps)	-40C to +85C	MIL-STD-810F/G/ • MIL-STD-461E	5VDC (USB) input • Upstream USB Port # 1, or 12-28VDC external power source for high power applications • Output 5VDC Aggregated up to 15A
MILTECH 306	1 + 7 USB	IP68	82.2 x 64.1 x 26 (not inc dust caps)	SCE2-B-76A06-075SN-001	140 g	-45C to +85C	MIL-STD-810F/G/ • MIL-STD-461E	5VDC via USB • 2W (Typical up to 16.25W w/ Aux Power)
MILTECH 406	6 x 10/100 • Up to 7 x USB 2.0 • 1 x Serial S232 to USB • 1 X Smart battery SOC to USB • 1 External power source input	IP68	97 x 77.8 x 25 (inc connectors)	SCE2-B-76A07-14SN	150 g	-45C to +85C	MIL-STD-810F/G/ • MIL-STD-461E	5VDC • 2.5W (Typical)
MILTECH 16SER	8 x RS232 interfaces over USB + 8 x RS485/422 interfaces over USB • 2 X USB2 Expansion ports	IP68	100 x 88.9 x 40 (inc connectors)	Power: J1-J8: SCE2-B-76A07-145N + Uplink: SCE2-B-76A07-10ASN	390 g	-45C to +80C	MIL-STD-810F/G/ • MIL-STD-461E	24VDC (16-36V) • 4W (Typical up to 16.25W w/ Aux Power)
MILTECH 8P	Power connector + 8 USB 2.0 ports	IP51	114 x 95 x 36.5	Power: DD38999/24WA98PA • USB: UJ2-ADH-1-TH	300 g	-45C to +80C	MIL-STD-810 • MIL-STD-461	80W maximum at full load • Charging: 2A/5V per port
MILTECH 404	1x 10/100 (Fast Ethernet) • 3 x USB 2.0 • 1 x Serial, RS-232 • 1 x External power source input (including SMBUS V 2.0), internal charger • All ports provide both Vbat and 5Vdc according to Nett warrior pin out	IP68	117 x 123.2 x 25	8070-1153-07ZNU6-6EA (Battery) 8070-1153-07ZNU6-6FC (PAN 1 -3) 8070-1153-07ZNU6-6FC (Ethernet) 8070-1153-07ZNU6-6FC (Auxillery)	300 g	-45C to +85C	MIL-STD-810F • MIL-STD-461E • MIL-STD-1275	Input:2 x battery: 8-18 Vdc, External power: 18-28 Vdc • Output: 5x 5Vdc per port, Vbat (8-18 Vdc) 3A per port • Current Limitations: vbat-5A adjustable to 8A, 5Vdc Rail-5Vdc, 5A • System Power Consumption: 15W
MILTECH 410	1 x Up to 2 battery input • 1 x External power input and battery charge • 1 x LAN 1Gb • 1 x 10.8-12.6Vdc (Vbat) power supply • 5 x USB 3.0 downstream ports • 1 x USB 3.0 up-stream+12V/1A power supply	IP68	115.2 x 91 x 26.9	GK1YAR-P16UC00-000L (Battery) GK0WAM-P09UM00-000L (Ext. Power+ Charge) GK0WAM-P12UM00-000L (LAN, USB, Power)	310 g	-45C to +85C	MIL-STD-810F • MIL-STD-461E • MIL-STD-1275	Input:2 x battery: 8-18 Vdc, External power: 18-28 Vdc • Output: 5x 5Vdc per port, Vbat (8-18 Vdc) 3A per port • Current Limitation: Vbat, 6A, 5Vdc Rail-5Vdc, 5A; • System Power Consumption 5W
MILTECH VGA	1 x USB2.0/3.0 uplink • 1 x VGA output • 1 x Serial interface • RS232/422/485/LVTTL • 1 x 6V/8V power output	IP68	76.4 x 71.4 x 24.7	GK0WAM-P12UM00-000L (USB uplink) • GK1WBM-P27UB00-000L (VGA, Serial, Power)	135 g	-40C to +85C	MIL-STD-810G • MIL-STD-461G	Input: 5Vdc +/- 5%, 0.5A min • Output: 6Vdc/8Vdc @2A (requires additional current input) • Consumption: 2.5W Max

Evaluation boards and accessories

We make it easier to speed up lab testing and development of systems around our board-level switches. Adapter/evaluation carrier boards are available that provide RJ45 or SPF connections for each port on the card. Power and network management cables are available for purchase with every Milpower product. Please check our web site for appropriate accessories for each product.