AIRBORNE COMPUTING & DISPLAYS

IEE
ieeinc.com

Military and Airborne Displays
> Qualified airborne Multifunction Displays and Control Display Units (CDU)
> Rugged flat panel displays, standard and custom, from 3.5" to 24.0" diagonals
> Mini handheld CDU with 1.1" to 7.0" LCD displays
> Optical bonding, sunlight readable, touch screen and front panel options

Multi-Function Display

MEMKOR
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Solid State Drives (SSD) with Security and Extreme Ruggedization
> MLC and SLC NAND flash SSDs, military rated to MIL-STD-810F/G
> Featuring secure erase, purge, write protect, OPAL, AES-256 and FIPS 140-2
> Large TB capacities with PCIe, SATA, PATA, SAS, ATAPI and SCSI interfaces
> M.2, mSATA, 1.8", 2.5" and U.2 form factors

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RightHand TECHNOLOGIES
righthandtech.com

Embedded, Airborne Computers and Subsystems
> Cabin management, inflight entertainment, bulkhead displays and servers
> Full service engineering, avionics design and manufacturing services
> RTCA DO-160, DO-178, DO-254 certification and DAL A through E
> AS9100:2009 manufacturing facility and FAA repair station and manufacturing

4K Video Server

WOLF
wolfadvancedtechnology.com

High-Performance Video and Graphics
> Frame grabbers and GPU boards with H.264 Compression and AES Encryption
> Using the latest NVIDIA GPUs, e.g., Quadro Pascal, single or dual per board
> 3U / 6U VPX, VITA 74, XMC, MXC, MXM & PCIe conduction cooled formats
> Meets MIL-STD-810 and avionics environmental specifications

Tegra K-1, 325 GFLOPs

RUGGEDIZED & MIL-STD-704 RATED POWER

LEX TM3
lextm3.com

Power Connectors and Cables
> Class L and QWLD heavy-duty cylindrical power connectors from 40 to 200 amps
> MIL-DTL-22992, MIL-DTL-38999 and 5015 connectors
> High-quality cable assemblies for military and airborne power applications
> Mobile, military-rated power distribution systems with intelligent management

QWLD Class L

MILPOWER SOURCE
milpower.com

Rugged Power Supplies, Inverters and Converters
> DC/DC, AC/DC converters and DC/AC inverters and power supplies
> High density, outstanding reliability with high MTBF, built in EMI filter
> 3U VPX (600W) and 6U VPX (1kW) power supplies
> MIL-STD-704, 461, 810G, 1275 and 1399 compliant

Miniature DC / DC Converter

INTELLIPOWER
High Reliability in Demanding Environments
intellipower.com

Rugged Uninterruptible Power Supplies (UPS)
> Extremely reliable, on-line / double conversion UPS systems
> Frequency converters, power converters and inverters, power conditioners
> Power Distribution Units (PDU), military rated
> Meets MIL-STD-167A, - 461F, -704E, -901D, -1275D and -1399 specifications

1200 Watts / 1500 VA UPS

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Engineering Excellence Since 1996

AVIONICS & COMMUNICATIONS

ASTRONICS
BALLARD TECHNOLOGY
ballardtech.com

Avionics Databus Interfaces
> MIL-STD-1553, ARINC-429, 629, 708, 717, 664 and CDSB interfaces
> Aircraft Interface Devices (AID) and Electronic Flight Bag (EFB) devices
> CoPilot GUI software for bus analysis, recording and software development

MIL-STD-1553 Interfaces

BETA TRANSFORMER TECHNOLOGY CORPORATION
bttc-beta.com

Avionics and Space-Rated Magnetics
> Airborne and space-qualified transceivers, transformers, inductors and baluns
> Couplers, stubs, terminators, cable assemblies, testers
> Space and Mil-STD-981 Ethernet, MIL-STD-1553, ARINC & Firewire 1394B

Space Qualified Bus Coupler

MOOG PROTOKRAFT
protokraft.com

Airborne Media Converters and Transceivers
> Ethernet switches and converters in D38999, TFOCA II and M28876 packaging
> Optical transceivers, fiber optic converters, video media converter and adapters
> Panel mount, PCB, jam nut, bulkhead or wall mount configurations

Video Media Converter

OnTime networks
ontimenet.com

Real-Time Ethernet Solutions
> 8 to 48 port flight rated (DO-160) rugged Ethernet switches and routers
> Integrated GPS, NTP, PTP IEEE 1588 time synchronization
> Embedded, rack mount and 3U VPX form factors

28 Port Router with PTP

PHOENIX INTERNATIONAL
phenxint.com

Rugged Data Storage Systems
> High capacity fault tolerant RAID systems and rack mount arrays
> Military grade RAID, NAS and SAN systems and VPX SATA storage blades
> Meets MIL-STD901D, MIL-STD-810F, MIL-STD-461F and NEBS level 3

Small 8TB Rugged NAS

NEW WAVE DV
Design & Verification
newwavedv.com

Reliable, Real-Time Networking
> PCIe and XMC cards for real-time 10/25/40/100G Ethernet, 1394b and EPON
> Real-time streaming, cyber security monitoring, record and playback systems
> IP Cores for 1394b-AS5643, Ethernet, Fibre Channel ASM and more

Conduction Cooled FC-ASM

SEALEVEL
sealevel.com

Rugged Communications & Computing
> Synchronous serial adapter cables for military radios and tactical applications
> Rugged, reliable computing systems and COM Express carrier boards
> Sital Technologies Mil-Std-1553 bus testers, IP cores and interface boards

Army Laptop Docking Station

FLIGHT ENCLOSURES & RACKS

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Electronic Enclosures, ATR Chassis and Airborne Ethernet Switches
> VPX, VMEbus, CompactPCI, MicroTCA and custom enclosures and backplanes
> Military and airborne chassis and systems, thermal modeling and testing
> Application ready platforms and system integration
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ATR Chassis

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Cell: (602)799-2075
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Colorado
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(303) 877-0847
kelvin@sierrasales.com

New Mexico and El Paso
Ralph Palmer
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