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ORTABLE SYSTEMS

CP Technologies provides Portable Computing Systems and solutions. Our systems come in both Standard industrial grade solutions as well as Rugged military grade systems. Portable systems enable a complete high-performance desktop or server class computing systems complete with displays and input peripherals for deployment in the field. Systems built by CP Technologies can be custom designed to meet the specific needs of the customer with optional additions such as capacitive touchscreens, specialized input ports, etc. Systems can be scaled up or down in size to match the demands of the application, with sizes ranging from compact desktop sized systems with a single 17" display up to a large scale 4U-equivalent system with triple 24" Hi-Bright displays.

CP Technologies' Portable systems are designed and built to meet the most demanding of portable computing applications.



Who We Are

CP Technologies designs, fabricates and integrates standard and customized high-performance computing platforms and LCD monitors for military, industry, and commercial applications.

Using COTS components, CP Technologies provides solutions for customers who need reliable systems that will operate in a variety of harsh conditions and who require revision control and hardware consistency for multi-year programs.

CP Technologies is an ITAR Registered and SBA-certified small business that has been operating in Southern California for over a twenty years.

Assembled in the USA
ISO 9001:2015 Certified
ITAR Registered

CP Technologies
10840 Thornmint Road
San Diego, CA 92127
combatproven.tech
858.571.4330



KEY FEATURES

SPECIFICATIONS

DISPLAY SIZE	Up to 24" (61.13cm) diag. Option for single and triple display configurations.
DISPLAY FEATURES	Optional Capacitive Touchscreen and Hi-Bright LED Panels
CPU OPTIONS	Single or Dual Intel Core or Xeon Processors (up to 24 cores per CPU) on ATX motherboard
MEMORY CAPACITY	Up to 16TB (depending on configuration) ECC or non-ECC buffered memory
STORAGE	2x 3.5" Hard Drive Bays
I/O	Full Sized Keyboard in fully sealed IP67 compliant case Optical Drive USB Additional Optional Inputs upon request.

HARSH ENVIRONMENTS

Rugged Portable Systems are additionally designed to meet or exceed MIL-STD-810G to the below specifications.

ALTITUDE	MIL-STD-810, Method 500.5
HIGH TEMPERATURE	MIL-STD-810, Method 501.5
LOW TEMPERATURE	MIL-STD-810, Method 502.5
HUMIDITY	MIL-STD-810, Method 507.5
BLOWING SAND AND DUST	MIL-STD-810, Method 510.5
TRANSPORT VIBRATION	MIL-STD-810, Method 514.6
BENCH HANDLING SHOCK	MIL-STD-810, Method 516.6



QUESTIONS?

Reach out to us at combatproven.tech or call 858.571.4330

ENGINEERED TO YOUR SPECIFICATIONS

- In-house engineering department
- Design and build of rapid prototypes. Experience with solving difficult customer application problems through knowledge of the industry and custom system design and manufacturing capability
- Our Engineers use Solid Works 3D CAD modeling software for mechanical design and thermal simulation
- Design experience with MIL-STD-167, MIL-STD-461, MIL-STD-810, and MIL-S-901, in addition to FCC, UL, CE, and country specific agency requirements

REVISION CONTROL & CONFIGURATION MANAGEMENT

- Our Program Managers will assure your products are revision controlled for the life of the program
- Configuration Management to assure TAA Compliance and system compatibility
- One part number for life of the program
- Counterfeit and obsolescence management

FACILITY AND TEST

- All integration work is performed in a state-of-the-art, ESD-controlled facility
- Our facility has 23,000 sqft and has dedicated 12,000 sqft to manufacturing and 3,000 sqft to engineering
- Operate to anti-static standard ANSI/ESD S20.20-2007 and electronics assembly standard IPC-A-610, Revision E-2010

QUALITY COUNTS

- ISO 9001:2015 Certified
- 100% system inspection before shipment
- All integrated systems undergo a minimum 24-hour system test and burn-in before shipment to the customer
- Assistance with 3rd party verification of system specifications
- 5-year warranty on all servers and 3-year warranty on LCD monitor products
- TAA compliant
- Built in the USA

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