



# MP1X17

INTEGRATED  
PORTABLE  
COMPUTER



## PORTABLE COMPUTING SYSTEM

Our MP1x17 portable computer systems are ready for jobs where a laptop isn't enough, but you can't bring your desktop where you need to go. Offering extensive screen space, excellent processing and a variety of plug-in options, these systems are a good fit for your portable computing requirements.

### APPLICATIONS

- Telemetry
- Diagnostics
- Simulation
- C4ISR
- Communications
- Imaging
- Persistent Surveillance
- UAVs
- Automation

### FEATURES

- 17.3" FHD 1920x1080 Monitor
- Rugged Aluminum Alloy Construction
- Detachable Keyboard with Touch Pad
- Wheeled Padded Transit Case Included
- Preconfigured for Turnkey Operation
- Long-life Components
- Expansive Screen Space
- Ready for Transport
- Excellent Processing Power
- Built-in Dual 3W Speakers

## 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 ISO 9001:2015 Certified business that has been operating in Southern California for over twenty years.

**Assembled in the USA**  
**ISO 9001:2015 Certified**  
**ITAR Registered**

**CP Technologies**  
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# TECH SPECS

<b>DIMENSIONS</b>	17.05" X 14.65" X 8.94" (433mm X 372mm X 227mm)
<b>WEIGHT</b>	35lbs; weight varies by configuration
<b>CONSTRUCTION</b>	Heavy duty, cold-rolled electroplated steel Rubber corner bumpers
<b>FRONT USB PORTS</b>	(2x) ports USB 2.0
<b>COOLING FANS</b>	(1x) 120mm cooling fans
<b>MOTHERBOARD CAPACITY</b>	Designed for ATX and EATX motherboards
<b>POWER</b>	650W 100/240 Volt AC, PS2 Form Factor, Other power options available

## COMPUTER SPECS

<b>CPU</b>	Intel Core and Xeon Processors supported
<b>MOTHERBOARD</b>	Varies by configuration, ATX Form Factor
<b>MEMORY</b>	Varies by configuration
<b>STORAGE</b>	x1 3.5" & x2 5.25" or x2 3.5" & x1 5.25"
<b>OPTICAL DRIVE</b>	x1 Slimline DVD-RW
<b>EXPANSION SLOTS</b>	x7 Full Height IO Cards
<b>RAID</b>	Varies by Configuration

## ENVIRONMENTAL SPECS

<b>TEMPERATURE</b>	-20°C-60°C Non-Operating, 0°C-50°C Operating
<b>HUMIDITY</b>	10%-95%
<b>CERTIFICATIONS</b>	CE, FCC, RoHS

## PANEL SPECS

<b>SCREEN DIAGONAL</b>	17.3"
<b>CONTRAST RATIO</b>	500:1
<b>VIEWING ANGLE</b>	80° (L/R/U/D)
<b>RESPONSE TIME</b>	5ms
<b>NATIVE RESOLUTION</b>	1920x1080
<b>BRIGHTNESS</b>	300 cd/m2
<b>BACKLIGHT</b>	TFT
<b>COLORS</b>	16.7M

## 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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