

**CKC****RUGGED  
RACKMOUNT  
KEYBOARD**

## RUGGED 1U KEYBOARD

Our CKX Keyboard can be used for many rugged military applications. You have the option of a trackball or touch pad. The keyboard has exceptional strength, is low weight, and works well under extreme temperature swings. The drawer includes friction slides for mounting into a 19" rack. The drawer uses screw locks to secure it into the rack for transportation.

Its compact size and light weight rugged construction make it ideal for use in all manner of adverse conditions. The use of friction slides versus ball bearing slides allows it to be used in vehicular and mobile missions such as in the back of a moving Humvee.

### BUILT TO TAKE ON THE HARSHTEST ENVIRONMENTS

<b>ALTITUDE</b>	MIL-STD-810, Method 500.5
<b>HIGH TEMPERATURE</b>	70°C Operational, 80°C Storage MIL-STD-810, Method 501.6
<b>LOW TEMPERATURE</b>	0°C Operational, 0°C Storage MIL-STD-810, Method 502.6
<b>HUMIDITY</b>	MIL-STD-810, Method 507.6
<b>BLOWING SAND AND DUST</b>	MIL-STD-810, Method 510.6
<b>TRANSPORT VIBRATION</b>	MIL-STD-810, Method 514.7
<b>BENCH HANDLING SHOCK</b>	Multiple drops from 4' (1.2-1.5m) onto concrete MIL-STD-810, Method 516.7

## 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 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



# TECH SPECS

<b>DIMENSIONS</b>	19" X 1.75" X 16" (482.6mm X 44.45mm X 404.4mm) Fits racks from 16" to 30" of depth with appropriate slide brackets Minimum keyboard extension: 9.3" (to clear rear of keyboard) Full keyboard extension: 15.5" (to lock engagement)
<b>SHIPPING WEIGHT</b>	11 lbs typical, varies by configuration
<b>REAR PANEL</b>	Includes cable management arm Cable Length: Approximately 36" (from rear of cable management arm) PS/2 Model: 2 PS/2 connectors for trackball and keyboard USB Model: 1 USB connector (trackball and keyboard signals on same connector)
<b>PLATING</b>	Chem-Film per MIL-C-5541F, Class 1A
<b>POWDERCOATING</b>	Black per MIL-PRF-24712, Type IV, Class 3, Cardinal C214-BK110 polyester semi-gloss, fine texture
<b>SLIDES</b>	Solid Bearing Slides (Friction Slides), 15.4-inches of travel Lock-out button. Stainless self-locking hardware throughout Includes Extension Bracket (0 to 6.5" extension) Includes Extension Bracket (3 to 11" extension)
<b>KEYBOARD SPECS</b>	Sealed silicon keys with Dura-coating NEMA4 (IP65) rated PS/2 or USB connection High-quality carbon-on-gold switch elements Tactile keystroke 10,000,000 lifecycles per switch Synchronous 8-bit data
<b>TRACKBALL SPECS</b>	Separate from keyboard assembly 38mm ball Sealed to NEMA4 (IP65 static, IP54 dynamic) standards, water and dust proof from front surface Two mouse buttons >6 million revolutions lifetime
<b>TOUCHPAD SPECS</b>	Keyswitch Technology: Gold Plated Domes Protection Level: IP65 (Front) Operating Force: 3.0N Operating Principle: Capacitive Resolution: 100-300dpi Active Area: 59x42mm

## 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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