CKC | RUGGED RACKMOUNT KEYBOARD

RUGGED 1U KEYBOARD

Ideal for mobile missions, the CKC family includes high-performance 1U keyboard drawers. A high-quality, low-profile Cherry Ultraslim 5000 Series 88-key keyboard with integrated track ball or touch pad is incorporated. 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 mobile applications such as transit case installations. 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.

KEYBOARD SPECS
Cherry G84-5400 (track ball) or G84-5500 (touch pad)
PS/2 or USB connection
High quality gold crosspoint keyswitches with tactile keystroke 20,000,000 lifecycles per switch
Power: +5V DC @36mA max
MTBF >8.6M hours (>4.6M hours touch pad model)

TRACKBALL SPECS
Integrated in keyboard assembly
14mm ball
Two 'mouse' buttons
400 dpi resolution

TOUCHPAD SPECS
Integrated in keyboard assembly
Resolution: 1000dpi
Two 'mouse' buttons
Lifetime overlay >10M finger strokes

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
2620 Deep Well Ranch Rd
Prescott, AZ 86301
combatproven.tech
858.571.4330

TECH SPECS

DIMENSIONS	19" X 1.72" X 16" (482.6mm X 43.68mm X 404.4mm)
SHIPPING WEIGHT	10.4 lbs with 3-11" extensions intalled
REAR PANEL	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)
PLATING	Chem-Film per MIL-C-5541F, Class 1A
POWDERCOATING	Black per MIL-PRF-24712, Type IV, Class 3, Cardinal C214-BK110 polyester semi-gloss, fine texture
SLIDES	Black per MIL-PRF-24712, Type IV, Class 3, General Devices C-300-S Solid Bearing Slides (Friction Slides) 15.4-inches of travel Lock-out button Includes B-309 Extension Bracket (0 to 6.5" extension) Includes 03161600A-0200 Extension Bracket (3 to 11" extension)

HARSH ENVIRONMENTS

ALTITUDE	MIL-STD-810, Method 500.6
HIGH TEMPERATURE	60°C Operational, 65°C Storage MIL-STD-810, Method 501.6
LOW TEMPERATURE	0°C Operational, -40°C Storage MIL-STD-810, Method 502.6
HUMIDITY	MIL-STD-810, Method 507.6
BLOWING SAND AND DUST	MIL-STD-810, Method 510.6
TRANSPORT VIBRATION	MIL-STD-810, Method 514.7
BENCH HANDLING SHOCK	Multiple drops from 4' (1.2-1.5m) onto concrete MIL-STD-810, Method 516.7

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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