

# Military Grade 1U Rackmount Keyboard



# CKC-Family

## Applications

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.



*Manufactured in the USA  
ISO 9001:2008 Certified*

## Harsh Environments

Designed to meet or exceed MIL-STD-810 including resisting moisture, vibration and shock, altitude, and extreme temperatures.

### ALTITUDE

**12,000 ft Operational, 40,000 ft Storage**  
MIL-STD-810, Method 500.5

### HIGH TEMPERATURE

**60°C Operational, 65°C Storage**  
MIL-STD-810, Method 501.5

### LOW TEMPERATURE

**0°C Operational, -40°C Storage**  
MIL-STD-810, Method 502.5

### HUMIDITY

**Hot-Humid Cycle B-3**  
MIL-STD-810, Method 507.5

### BLOWING SAND AND DUST

**Procedures I and II**  
MIL-STD-810, Method 510.5

### TRANSPORT VIBRATION

**US Highway Truck and Air Transport**  
MIL-STD-810, Method 514.6

### BENCH HANDLING SHOCK

**Procedure VI, 50G @ 11ms**  
MIL-STD-810, Method 516.6

For more information visit  
[www.chassis-plans.com](http://www.chassis-plans.com)  
or call 858.571.4330

# CKC SPECIFICATIONS

## DIMENSIONS

19" X 1.72" X 16"  
(482.6mm X 43.68mm X 404.4mm)  
Fits 16" to 30" Racks (adjustable slide brackets)  
Minimum keyboard extension: 9.7 inches (to clear rear of keyboard)  
Full keyboard extension: 15.5-inches (to lock engagement)

## WEIGHT

10.4 lbs with 3" to 11" extensions installed

## CONSTRUCTION

Aluminum alloy construction

### **Rear Panel Details:**

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)  
Other slides including ball bearing and zero-backlash optionally available.

## ENVIRONMENTAL

Exceeds MIL-STD-810G  
Operating and storage temperature: 0 to 60°C operating temperature, -40 to 65°C storage temperature

## AGENCY APPROVALS

cURus, FCC, CE, VDE, C-Tick, VCCI, BSMI, WHQL, WEEE, RoHS

# CKC CHARACTERISTICS

## KEYBOARD

- 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
- 0-60 deg C operating temperature
- -40 - 65 deg C storage temperature
- MTBF >8.6M hours (>4.6M hours touch pad model)

## TRACKBALL

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

## TOUCH PAD

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



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## Who We Are...

Chassis Plans designs, fabricates and integrates standard and custom high-performance computing platforms and LCD displays for the military and heavy industry. Using COTS components, Chassis Plans 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. With an in-house engineering department, Chassis Plans can also design and build rapid prototypes. Chassis Plans is an ISO 9001:2008 certified company that produces products domestically and has been in business in Southern California for over a decade.

### Chassis Plans

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