



RUGGEDIZED KEYBOARDS

Ruggedized EMI/EMC-controlled keyboards for standard and custom applications. Designs are dust/drip-proof, incorporate full-travel tactile feedback, and are available with or without embedded trackballs

The Cyberchron family of ruggedized keyboards is designed for the user who requires a fully-ruggedized solution, non-developmental item availability, or the flexibility of custom configurations. Keyboards are implemented as a ground-up EMI/EMC-controlled design, and employ proprietary source suppression techniques. They also incorporate the industry's highest reliability switch design to achieve superior MTBF performance. Cyberchron's internally-developed proprietary controller design allows for rapid delivery of various keyboard emulations, including custom-programmed units at near off-the-shelf costs.

Architecture: Keyboards are available in a number of industry-standard emulations, including SUN 3, SUN 4 & compatible, SUN 386i, IBM PC/AT, IBM RS-6000, DEC compatibles and others.

Trackballs: Embedded 3-button trackballs are available for standard applications, and are oriented for single-hand manipulation and graphical dragging. Standard emulations include Microsoft Mouse (IBM PC/AT), Mouse Systems (DEC) formats.

Integration: Cyberchron keyboards are designed and tested for full emulation of the commercial equivalent and offer a cost-effective solution for industrial, tactical, flight-line and portable environments. As with all Cyberchron products, the keyboards utilize a combination of state-of-the-art electronics with proven and qualified mechanical packaging to minimize integration and operating cost.

FEATURES & OPTIONS

- ✓ Compatible with:
 - SUN SPARCstation 2, 10
 - SUN IPC, IPX
 - IBM PC/AT, RS-6000
 - DEC compatible
 - ASCII & RS-232
- ✓ Custom emulations
- ✓ Embedded 3-button trackball eases one-handed operation and graphical "dragging"
- ✓ Optional flexible membrane seal for drip-proofing or high-humidity environments
- ✓ Pre-drilled blind tapped holes (front & side) for easy mounting
- ✓ Fixed and sliding rack-mount trays available
- ✓ Ruggedized to MIL-STD's -810D, -167-1, -2036, MIL-S-901C
- ✓ EMI/EMC options include MIL-STD-461 and others

Ruggedized Computer Systems and Solutions



CYBERCHRON
The Rugged Edge™

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RUGGED KEYBOARD SPECIFICATIONS

MECHANICAL

Dimensions 2.5" H x 17.0" W x 7.75" D (w/trackball)
Weight 3-4 lbs (approximate)

SYSTEM COMPATIBILITY

CPU SUN 1, 1+, 2, 10, IPC, IPX
IBM PC/AT, RS-6000
DEC compatible
Hewlett-Packard 400, 700, 9000 series options
ASCII & RS-232

OPTIONS

Custom controllers, key layouts
Models without 3-button embedded trackball
Dataseal Drip-proof membrane
19" RETMA rack slides

ORDERING INFORMATION

CRX-000 IBM PC/AT
CRX-290 SUN
CRK-201 DEC LK-201
Others available
Please specify MIL or commercial connectors when ordering.

ENVIRONMENTAL CHARACTERISTICS

Temperature, Operating -25°C to +65 °C
Temperature, Non-Operating -55°C to +71 °C
Humidity, Operating 0 to 95 %, non-condensing
Humidity, Non-Operating 0 to 95 %, non-condensing
Altitude 0 to 60,000 feet, no explosive decompression
Shock, Operating 20 Gs, 11 msec (MIL-STD-810E)
Shock, Non-Operating 75 Gs, 11 msec (MIL-STD-810E)
Vibration, Operating 1.25 Gs at 3 to 50 Hz, 2.25 Gs at 50 to 2000 Hz
Vibration, Non-Operating Compliant to MIL-STD-810E for tactical wheeled vehicle
Compliant to MIL-STD-167-1, Type 1
Salt Fog Chemical film treatment per MIL-C-5541, paint per TT-E-527
Drip proof Designed to meet MIL-STD-810E method 506.2 procedure II, with optional Dataseal membrane

EMI/EMC

Standard FCC, designed to meet Class A, Class B
Optional MIL-STD 461B Class A1, A3, A4, A5, & B

Trademarks: IBM PC/AT - IBM Corp; *The Rugged Edge* - Cyberchron Corporation

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