

Military & Defense

Cortron Keypads

Cortron keypads are available to meet a variety of applications. Keypads can be configured to be part of an installation with a keyboard or stand-alone. Keypads, while typically provided in their own mounting enclosure, can be combined with nearly any of our pointing devices. We have designed our products to be modular in nature – pick a keypad outline (model), then select your options such as pointing device, mounting style and backlighting.



TECHNICAL SPECIFICATIONS

Key Layout	Layouts and Key Spacing based on program requirement.
Keys	Cortron Forever keys / legends are chemically and abrasion resistant. Full Travel, 100 million cycles. Standard USA layout or per customer request. Custom keycap legends and Multi color keys available
Backlighting	Negative image legends (legends glow) and key brightness control available. Green, Red, Yellow, White, Blue, NVIS Green A or B. Low Power backlighting, No Extra Power Needed
Interfaces	USB, SUN USB, PS2, other interfaces upon request
Connections	Bulkhead or Attached Cable (Various Lengths): 9-Pin D-Sub, MIL Circular, or Custom
Pointing Devices	Multiple options: 1", 1-3/8", or 2" Trackballs, DuraPuck, Touch Pad
Enclosures & Mounting	Durable metal enclosure with scratch resistant finish. Panel, Table, Rack, or Custom Mounting.
Colors	Standards are black, Navy gray, Army green, and off-white; Custom colors are available upon request
Power	Logic +5VDC @250mA (no backlighting), @450mA (low-level backlighting) OPTIONAL: +24 to +28VDC, MIL-STD-704
Temperature	STANDARD: -20°C to +70°C (Operating) & -40°C to +70°C (Storage) OPTIONAL: -40°C to +71°C (Operating) & -55°C to +85°C (Storage)
Enclosure Sealing	STANDARD: NEMA 4 & IP65, MIL-STD-810/108 15° Inclination, MIL-STD-810 for Sand & Dust OPTIONAL: NEMA 6 & IP67, MIL-STD-810 1m Submersion
Shock	STANDARD: MIL-STD-810 @30g OPTIONAL: MIL-S-901D, Grade A Class I, Type A
Vibration	MIL-STD-810, MIL-STD-167-1
EMI/EMC	MIL-STD-461, IEC60945
ESD	STANDARD: EN61000-4-2, 6kV Contact Discharge, 8kV Air Discharge OPTIONAL: DO-160, 18kV
Environmental (Other)	MIL-STD-810 for Humidity, Salt Fog, Decompression, Noise
Dimensions & Weight	Varies dependent on options selected, refer to Cortron EMK Drawing
MTBF	KEYPAD: 200,000-300,000 hours, typical, 25°C Ground Benign, MIL-HDBK-217
Workmanship	STANDARD: MIL-STD-454, IPC-610 Class 2 OPTIONAL: IPC-610 Class 3 or J-STD001 Class 2 or 3

Looking for different specifications to meet your application needs? We are specialists in custom engineered solutions. **Contact us to learn more ... insidesales@comarkcorp.com**



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Similar to all Cortron HMI Devices, the Cortron Keypads offer many options and configurations to meet your program requirements. Mounting options include table-top (with feet or bolt down configuration) or mounting flange for panel mount installation. Keypads can be ordered with or without an integral pointing device and/or USB hub for easy integration into your host system. Cortron Keypads are available in standard base models or complete custom design, as the following examples depict:

Standard Keypad Models



KP19



KP24



KP27



KP42

Custom Keypads

