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Enclosures and solutions for
 COTS protection

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Rugged keyboard / trackball

901D's rugged keyboard / trackball is lightweight and compact. It is impervious to contaminants, and withstands the rigors of the most hostile environments. Vital electronics and surfaces are sealed for long-term protection against liquids, dust, dirt, and many chemicals

FEATURES:

- Sealed; spill proof, dust proof, protected from contamination
- All metal enclosure with welded seams
- Durable long-life key legends (heat-fused into plastic for wear resistance)
- Ergonomic key sculptures enhance human machine interface
- N-Key rollover improves high speed typing
- High strength stainless steel encoder shafts
- Removable ball for easy cleaning
- Durable exterior finish
- Full-travel, solid-state switches
- Extremely high MTBF rating
- Optical sensors for long term reliability
- Low force bail wiper
- Free roll or stiff roll optional
- Precision polished black phenolic ball
- Plug compatible
- Trackball cavity drain for excessive moisture
- Smooth acceleration curve



SPECIFICATIONS:

Size: 1 3/8" [34.9mm] Ball: 16.92" [429.78mm] W x 8.56" [217.42mm] D x 1.46" [36.97mm] H
 2" [50.8mm] Ball: 16.92" [429.78mm] W x 10.5" [266.7mm] D x 2.15" [54.53mm] H

(not including feet, connector, cables, flange mount or wrist rest when supplied)

Weight: 1 3/8" [34.9mm] ball: less than 5.5lbs [2.5kg]

MTBF: > 69,000hours@+25°C[77°F], mobile sheltered

Switches: Full travel (.15"13.81 mm) 100 million cycles

Input Power: Logic: +5VDC @ 250 mA Maximum Optional backlighting: +5 VDC @ 1.5A Maximum

Temperatures: Operating: -20°C [-40 F] to +70°C [+158°F] Non-operating: -40°C [-110°F] to +70°C [+158°F]

Humidity: 0 TO 95% RH, non-condensing

Altitude: +35,000 ft [+ 10,000m]

Shock: Standard: MIL-STD-810, 30 g optional: MIL-STD-901, +100 g

Vibration: MIL-STD-810, 5g, 4 to 33 Hz

EMI / RFI: MIL-STD461

Sand/Dust Proof: MIL-STD-810

Rain/Spill Proof: MIL-STD-810

Explosive: MIL-STD-810, intrinsically safe

Salt fog: Optional: MIL-STD-810

Safety: MIL-STD-454, and UL recognized