

FEATURES

- NVIS backlighting
- Retrofit for rugged laptop keyboard
- Panel/enclosed
- Custom shaped enclosure
- USB interface
- Custom key layout
- Pointing device
- Signal interface (I/O)
- Build-to-print
- Ruggedized COTS designs
- NEMA Type 4 water-resistant
- 1x1 through 4x4 matrix options
- Custom keycap/print legends
- Color backlighting
- Connector
- Cable
- Custom branding

APPLICATIONS

- Military
- Aerospace
- Law Enforcement
- First Responder
- Industrial
- Oil & Gas



DATA Entry Solutions

DESIGNING TOUGH PRODUCTS FOR TOUGH ENVIRONMENTS

Staco Systems' field-proven data entry products serve a variety of markets and are certified with numerous standards boards and military and supplier certifications including ISO 9001:2008, AS9100C, and MIL-SPEC.

Having passed extensive temperature, humidity, shock, vibration and flammability testing, Staco Systems' data entry systems are fully operational in virtually any mobile, wet or otherwise hostile environment.

At Staco Systems, we know that no two environments are exactly the same. For that reason, all of our keyboards and accessories can be customized to your specifications. No matter what your needs are Staco can build the best data entry product for the task at hand.

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DATA ENTRY SOLUTIONS

stacosystems™

NIGHT VISION

Staco Systems has the capability to manufacture LED backlit keyboards that are compatible with night vision goggles. NVIS Green A/B compliant keyboards are perfect for military, aerospace, law enforcement, and emergency medical operations that require visual enhancement at night. Specific applications include airplanes, helicopters, tanks, submarines, and any other custom platform.



RUGGED KEYBOARDS AND ACCESSORIES

Staco Systems' meanest and toughest keyboards are built using advanced molded elastomer technology for serious environmental protection. Even the built-in touch pad, which includes both left and right mouse buttons to easily control a PC in limited-space areas, is completely water-sealed. In addition, optional, custom-designed legends are engraved with an advanced laser process used to ensure durability. The off-the-shelf enclosed, panel mount, and MIL-SPEC keyboards are specifically designed for use where performance and reliability are required.



BASELINE ENVIRONMENTAL AND EMI/RFI SPECIFICATIONS FOR DESIGN

MECHANICAL

- Operating temp: -40–85 °C
- Storage temp: -40–85 °C
- Thermal shock: -40 °C 15 min, +75 °C 15 min, 5 cycles; MIL-STD-810F, Method 503.4
- Humidity: 95% RH, 60 °C, 240 hours total; MIL-STD-810F, Method 507.4
- Altitude: 12,500 ft (operating); 30,000 ft (non-operating)
- Vibration: 20 G, 10-55 Hz, 3 axis, 0.5 mm, 2 hours; MIL-STD-202E, Method 201A
- Shock: 50 G peak; MIL-STD-202E, Method 213B
- Sand & dust: 1,740 ft/min, 12 hours, concentration 0.29 g/ft³; MIL-STD-810F, Method 510.4, Procedure I
- Salt spray: 5% salt water solution, 35 °C 96 hours; MIL-STD-810F, Method 509.4
- Chemical resistance: Super tropical bleach (STB), alcohol, Lysol, hand soap, laundry detergent, vinegar, hand lotion
- Water seal-ability: NEMA 4; 25.4 mm nozzle, 246 l/min from 3 m, 5 min
- Flammability: 94VO and 94HB
- EMI/RFI (MIL-STD-461*): RE102 Radiated Emission, Electrical Field, 10 KHz to 18 GHz. RS103 Radiated Susceptibility, Electrical Field 80 MHz to 2 GHz.
(* For selected models M8772X and M8774X.)

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