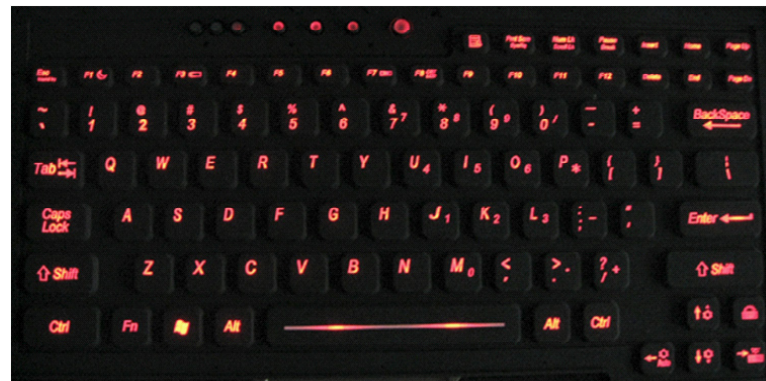


# KC-001 Custom Keyboard Matrix

This 88-key panel mount keyboard is custom designed for rugged laptop computer applications.

The KC-001 features an ultra-slim profile (6mm) based on Molded Elastomer Technology (MET) with an embedded design for ON/OFF red LED backlight illumination. It is rugged, rated IP54 waterproof compliant, and meets MIL-810 specifications.

As a long-standing, qualified supplier of rugged keyboards and keypads for aviation, military, and industrial applications, Staco Systems is seasoned in designing, developing, and implementing custom design specifications.



# General Specifications

## Mechanical

Nominal Actuation Force: All keys:  
190 grams +/- 35 grams  
Nominal Key Travel: 1.20 ± 0.5 mm

## Computer Connection / Electrical

Microsoft Certification XP and Vista for keyboard input compatibility.

11 mA @ 5V with backlight OFF;  
70 mA @5V with backlight ON

## Temperature-Operating

Operating -20 to 70°C  
Storage -40 to 85°C

All keys are rated at 1,000,000 cycles of operation at 25°C ambient

## Moisture/Chemical Resistance

Waterproof to IP54 compliant on top surface  
Chemical resistant (including Super Tropical Bleach (STB), alcohol, Lysol, hand soap, laundry detergent, vinegar, and hand lotion)

## Backlighting

Red backlighting color  
ON/OFF switch key

## UL and RoHS compliant

