

Product Bulletin

Data Entry Product 86-Key Full Travel Ruggedized Keyboard SERIES M901 Professional Keyboard for Demanding Environments

- 86 Full-Travel Keys and Integrated Touchpad
- Impact Resistant
- Splash-Proof Water Sealing
- Adjustable Backlighting for Night-Time Visibility
- Interchangeable Cable
- Advanced Laser Process Ensures Durable Legends
- USB 2.0 Compatible (Hot Swappable)



INNOVATIVE DESIGN

Staco System's full travel Data Entry Product (DEP) keyboard was designed to endure extremely harsh or wet environments while maintaining excellent typability. The keyboard features splash-proof water sealing, turquoise backlighting for night-time visibility, and a highly-sensitive integrated touchpad. Based on Staco System's military heritage, these keyboards have been built to last and offer significant value for its features.

APPLICATIONS

The M901 ruggedized keyboard is best suited for professional applications where performance, high-reliability, and full-travel typability are required. The full-travel key design provides a familiar and comfortable tactile response commonly found in traditional keyboards while providing backlighting and water sealing through advance molded elastomer technology.

Having passed extensive temperature, humidity, shock, vibration, and flammability testings, the M901 keyboard is prepared to withstand and operate in almost any hostile environment.

KEYBOARD MATERIAL

The M901 keyboard is constructed from high quality, impact-resistant polycarbonate plastics to provide excellent environmental protection, comfortable usage, and attractive styling.



Photo of typical M901 installation in a police cruiser.

FULL-TRAVEL KEYS

The M901 is designed to offer optimal key operation and tactile response. Each key is constructed using precision manufacturing processes to limit and minimize variations in key top height, key top alignment, and key rotational alignment.

INTEGRATED TOUCHPAD

For convenience, the M901 keyboard includes an integrated, highly-sensitive touchpad device. The touchpad has both left and right mouse buttons located on the keyboard. Both the touchpad and associated mouse buttons are completely water-sealed.

BACKLIGHTING

All keys in the M901 are backlit, enabling night-time/dark room operation of the keyboard. A single button controls the entire range of brightness for the backlighting. The backlighting is powered by an embedded electroluminescence (EL) sheet.

KEYBOARD LAYOUT

The keyboard has a total of 86 keys. 10 keys are function keys that provide access to keys F1 to F12. Thirteen screen and cursor control keys are also provided. A unique "Emergency" button provides quick hot-key control for emergency response applications.

INTERCHANGEABLE CABLE

The keyboard uses a detachable DB-9 Connector (Male) to USB A (Male) cable.

STANDARD COLORS

The keyboard comes in a charcoal black enclosure with charcoal black keypad/touchpad and white legends.

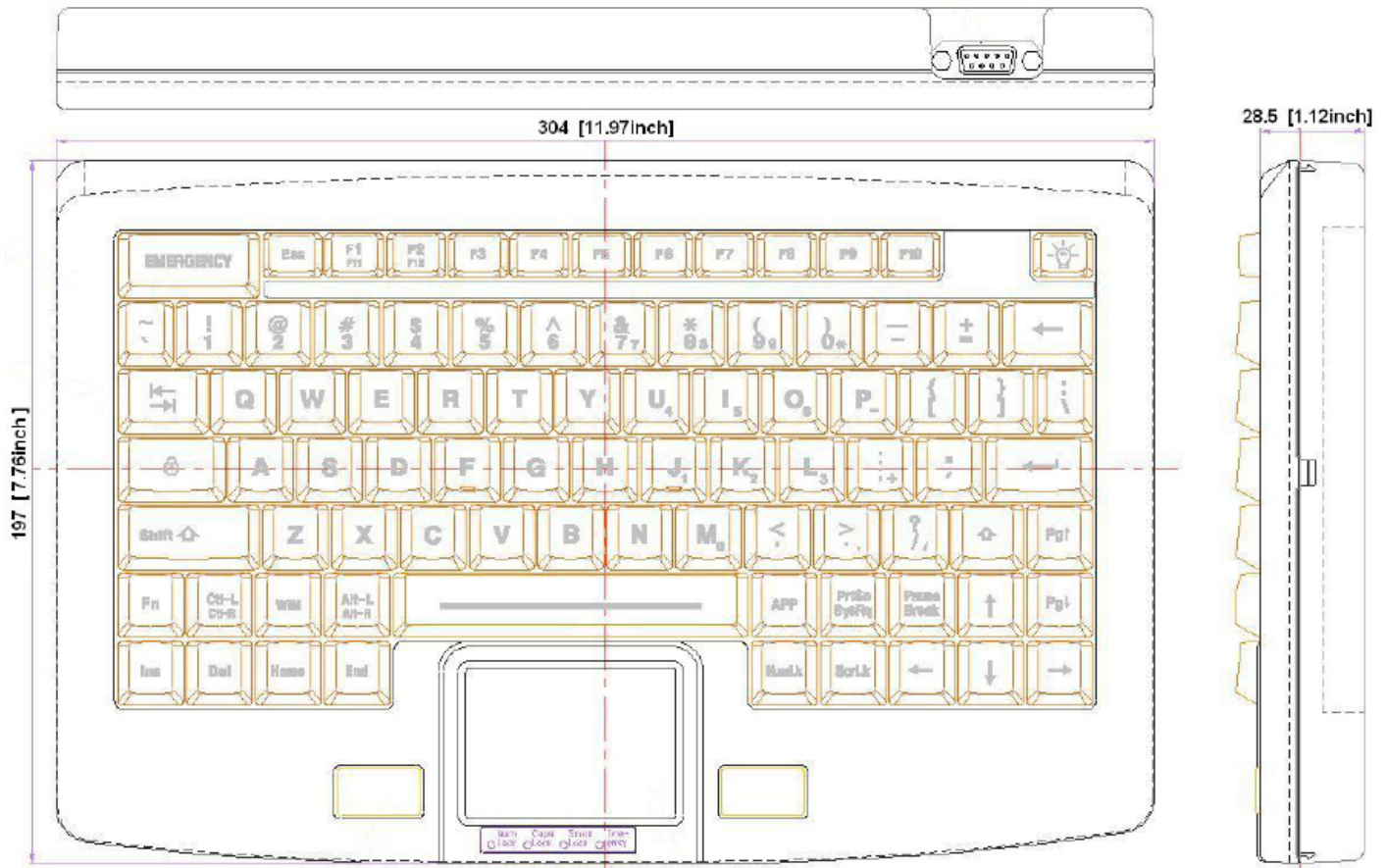
COMPACT SIZE

Outline measurements are a compact 197 X 304 X 28.5 millimeters (7.76 X 11.97 X 1.12 inches).

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Features

86-Key Full Travel Ruggedized Keyboard SERIES M901



Summary

Mechanical

Actuating Force: 60 +/- 15 g
Travel: 3.5 +/- 0.5 mm

Operating Current

Max 500mA, 5VDC +/- 0.25

Backlighting

EL - Turquoise (Bright Green)

Insulation Resistance

> 100M ohm at 250V DC

Temperature

Operating (Keyboard): -10°C(14°F) to +80°C(176°F)
Operating (Touchpad): 0°C(32°F) to +50°C(122°F)
Storage: -20°C(-4°F) to +80°C(176°F)

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Specifications

Moisture Resistance

Watertight: Splash-proof
Moisture Resistance: 10 cycles, 240 hours, 90-98% RH, 65°C to 25°C, 10 day cycle

Vibration

Tested at 10 ~ 55 Hz, 0.5mm, 2 hours each in X, Y, and Z axis

Flammability

Printed Circuit Board: 94 VO
Silicone Overlay: 94 HB
Interface Cable: 94 VO
Enclosure: 94 VO

Key Life

~ 10,000,000 cycles, 4 cycles/second, 120 ~ 150gf

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