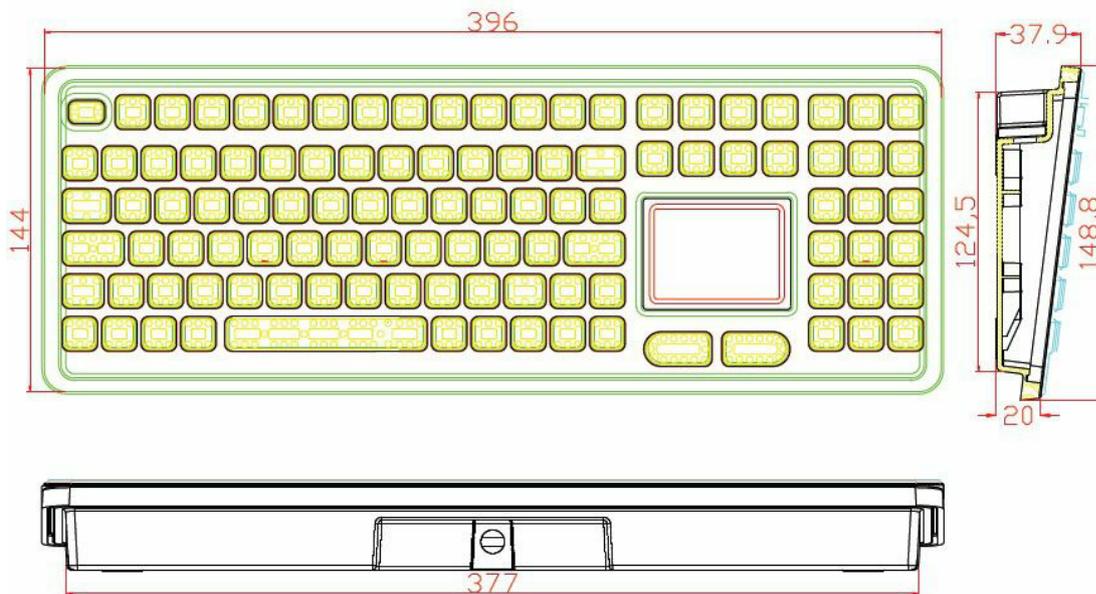


**Model NO:** K-TEK-M396TP-KP-FN-DT

**DIMENSIONS :** 396.0mm x 144.0mm x 20.0mm - 37.9 mm (L x W x H)

**DESCRIPTION:** 106 keys IP68 dynamic rated & ruggedized industrial silicone rubber Hygienic keyboard with full keyboard functionalities, integrated numeric keypad, function keys, sealed & ruggedized tough touchpad for fast and accurate cursor position, industrial PCB with carbon-on-gold key switch technology with long stroke (1.50mm) with extremely good tactile feeling for fast and accurate data input without any noise, with durable coating & antimicrobial keyboard surface withstand to most chemicals and liquids under harsh environment, Clean key for easy cleaning via lock/disable the keyboard without needing to take away the keyboard from PC, mountable desk top version with robust polycarbonate case. Adjustable industrial backlight optional.



## **APPLICATIONS:**

This keyboard provides full-size versatility in a rugged, compact design with the added convenience of an integrated touchpad. For working in low-light areas, it is also available with optional LED backlighting. Engineered for NEMA 4X protection from dust, water and corrosive liquids. This keyboard is ideal for use in environments ranging from manufacturing to material handling to medical settings. Its large numeric pad allows for easy data entry, while its robust polycarbonate case protects it against any hazardous environment.

**MEDICAL:** lab, hospital, clinic, dental, such as carts, diagnostic equipments, operation rooms, dialysis centers etc;

**MATERIAL HANDLING:** mobile keyboard, data entry, assembly line etc

**MILITARY:** Army, Navy, Air force

**INDUSTRIAL:** Industrial automation, pharmaceutical, oil and gas, food and beverage, clean or dirty manufacturing environments, warehouses

**OTHER INDUSTRIES**

## **MAIN FEATURES:**

keyboard with NVIS-compliant red adjustable backlighting optional, while NVIS backlighting makes this keyboard ideal for aviation or vehicle applications where night vision goggles are necessary.

Keyboard provides full-size versatility in a rugged, compact design, rugged construction for reliable functionality

The keyboard lacks the crevices found between the keys of a regular keyboard, which is protected against dust, dirt, grease and corrosive liquids to NEMA 4X, which means it can withstand directed hose water, disinfectants, environmental contaminants and heavy industrial use.

Clean key-Prevents data from being sent while the keyboard is wiped down, allowing user to clean at any interval with minimal downtime-User is notified of 'lock down mode' by brightly lit CLEAN KEY

Special durable-coating for excellent mechanical and chemical resistance

With firm tactile key feel, key travel 1.50mm key travel.

Integrated touchpad.

Integrated numeric keypad.

Ease of customizing with multiple languages, to accommodate foreign or custom variants.

PS/2, USB connection cables that plug directly into computer like keyboard operations.

Enclosure: industrial silicone, Robust ABS Polycarbonate Case

Low-profile keys for easy cleaning

Key life: 10 millions

## **MECHANICAL DATA**

Key: 108 keys

Key top style: Protuberant rectangular keys with tactile feeling.

Touchpad cover: Composite

More than Lifetime 10 million strokes

Mutual Capacitance sensing

X/Y position sensing resolution: 40 counts/mm

X/Y position reporting: Relative



Output (self-detectable depending on cable): PS2 or USB

Tracking speed: Maximum 1,016 m/sec

Power supply voltage: 5 VDC  $\pm$ 0.25V

Current rating (active mode): 17 mA

Key Size: 12.0mm x 13.0mm for normal keys, 23.4mm x 13.0mm for enter key, 68.0mm x 13.0mm for space bar key.

Switch life: more than 10 million of operations.

Cable Length: 2.5m

G.W.: 1.30KGs

Dimensions: 396.0mm x 150.0mm x 27.0mm (L x W x H)

#### **ELECTRICAL DATA**

Supply Voltage: +5V DC  $\pm$ 5%

Current Rating: 30mA (non-backlight) , 150mA (with backlight on)

EMC Standard: IEC61000-4-2:2008; IEC61000-4-3:2006+AI:2007+A2:2010; IEC 61000-4-4:2004

EMI: EN55022: 2010

EMS: EN55024: 2010

Lifespan > 3 years

Switch Contact Material: Carbon-on-Gold key switch technology with gold PCB.

Interface: PS2, USB available.

OS: All Windows, Linux, Unix, Mac OSX.

#### **ENVIRONMENTAL ADAPTABILITY**

Operating temperature: -20oC to +60oC

Storage temperature: -30oC to +70oC

Operating RH: 100%

Atmospheric pressure: 60-106Kpa

Shock: 3x11 ms pulses of 50g on each of 3 axes

Vibration: POWER SPECTRAL DENSITY: 0.04g/Hz, FREQUENCY RANGE: 20Hz - 2kHz, DURATION OF TEST PER AXIS: 3 hours

Flammability

PRINTED CIRCUIT BOARD: 94 V-0 SILICONE OVERLAY: 94 HB INTERFACE CABLE: 94 V

#### **RELIABILITY**

RoHS , CE, FCC, ESD

Protection Level: IP68, NEMA 6P

Key Lifespan >10 million actuations

MTBF >50000H

MTTR <30min

