



# KEY TECHNOLOGY (CHINA) LIMITED



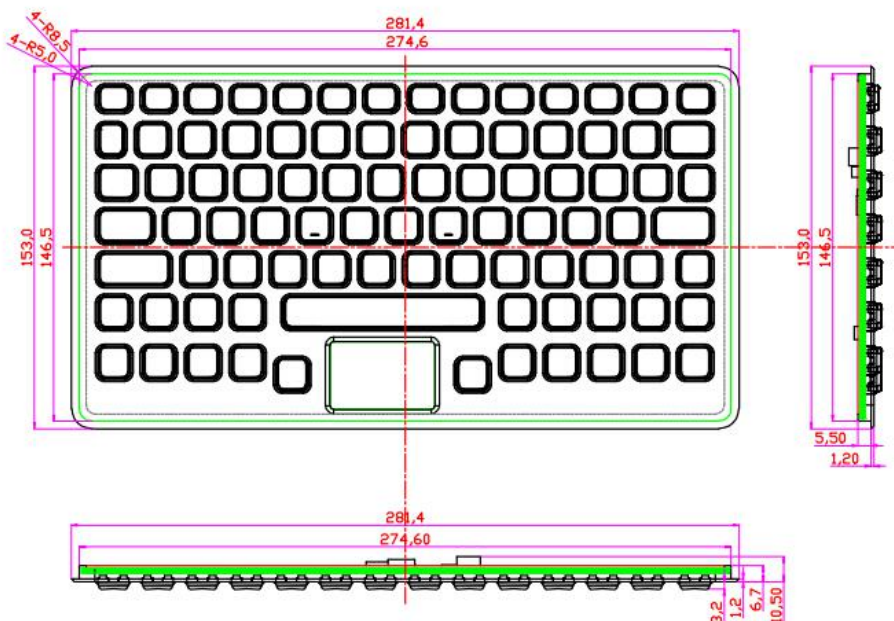
## 深圳市键特电子有限公司

Head Office: B702, Building 1, Tianan Cyber Park, Huang Ge North Road, Longcheng Subdistrict, Long Gang District, ShenZhen, Guang Dong, P.R.China  
 Factory ADD: 4 Floor, No.6, High-Tech Road, Baolong Industrial Zone, Longgang District, ShenZhen, Guang Dong, P.R.China  
 Tel: +86 755 89239859, 89230460, 85232807  
 Fax: +86 755 89312576  
 E-mail: info@key-tek.cn, sales01@key-tek.cn  
 Website: www.key-tek.cn, www.ikb-mkb.com

**Model NO:** K-TEK-M276TP-FN-OEM-BL-ML

**DESCRIPTION:** 89 keys IP65 dynamic sealed and ruggedized industrial silicone rubber Hygienic keyboard with full keyboard functionalities with sealed and ruggedized tough touchpad for fast and accurate cursor position, with 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, **FN + Clean key to lock/disable** the keyboard for easy cleaning without needing to take the keyboard from PC, top panel mounted with optional stainless steel back plate sealed with top ruggedized industrial silicone cover & industrial PCB for ruggedized structure and easy mounting and sealing, stainless steel housing protects the electronics controller. Adjustable industrial backlight included, military level.

**Dimensions:** 274.60mm x 146.50mm (L x W)





# KEY TECHNOLOGY (CHINA) LIMITED

## 深圳市键特电子有限公司



Head Office: B702, Building 1, Tianan Cyber Park, Huang Ge North Road, Longcheng Subdistrict, Long Gang District, ShenZhen, Guang Dong, P.R.China

Factory ADD: 4 Floor, No.6, High-Tech Road, Baolong Industrial Zone, Longgang District, ShenZhen, Guang Dong, P.R.China

Tel: +86 755 89239859, 89230460, 85232807

Fax: +86 755 89312576

E-mail: info@key-tek.cn, sales01@key-tek.cn

Website: www.key-tek.cn, www.ikb-mkb.com

### APPLICATIONS:

This ruggedized and compact design keyboard can be good 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 below wide applications:

**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

### MAIN FEATURES:

keyboard with NVIS-compliant red adjustable backlighting, 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.

**FN + Clean** combination 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 sealed and ruggedized tough touchpad.

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 and optional stainless steel backplate.

Low-profile keys for easy cleaning

Key life: 10 millions

### MECHANICAL DATA

Key: 89 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.

Cable Length: 2.50m





# KEY TECHNOLOGY (CHINA) LIMITED



## 深圳市键特电子有限公司

Head Office: B702, Building 1, Tianan Cyber Park, Huang Ge North Road, Longcheng Subdistrict, Long Gang District, ShenZhen, Guang Dong, P.R.China

Factory ADD: 4 Floor, No.6, High-Tech Road, Baolong Industrial Zone, Longgang District, ShenZhen, Guang Dong, P.R.China

Tel: +86 755 89239859, 89230460, 85232807

Fax: +86 755 89312576

E-mail: info@key-tek.cn, sales01@key-tek.cn

Website: www.key-tek.cn, www.ikb-mkb.com

G.W.: 0.50KGs

Dimensions: 274.60mm x 146.50mm (L x W)

### ELECTRICAL DATA

Supply Voltage: +5V DC +/-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, Vxworks, Android, (U-cos--To be confirmed).

### ENVIRONMENTAL ADAPTABILITY

Operating temperature: -40oC to +80oC

Storage temperature: -50oC to +90oC

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 VOSILICONE OVERLAY: 94 HBINTERFACE CABLE: 94 V

### RELIABILITY

RoHS , CE, FCC, ESD

Protection Level: IP65, NEMA 6P

Key Lifespan >10 million actuations

MTBF >50000H

MTTR <30min



Distribué par :

NICONIX

ZAC Pôle Actif

2D, allée du Piot

30660 Gallargues-Le- Montueux

France

Standard : 04 66 74 18 73 | Fax : 04 66 74 36 84 | E-Mail :

niconix@niconix.com | Web : www.niconix.fr



Siret : 424 522 472 00051

RCS : RCS NIMES B 424 522 472 00051

TVA intracommunautaire : FR11424522472

Code APE : 4651Z

Sarl au capital de 100 000 Euros