



# KEY TECHNOLOGY (CHINA) LIMITED

## 深圳市键特电子有限公司



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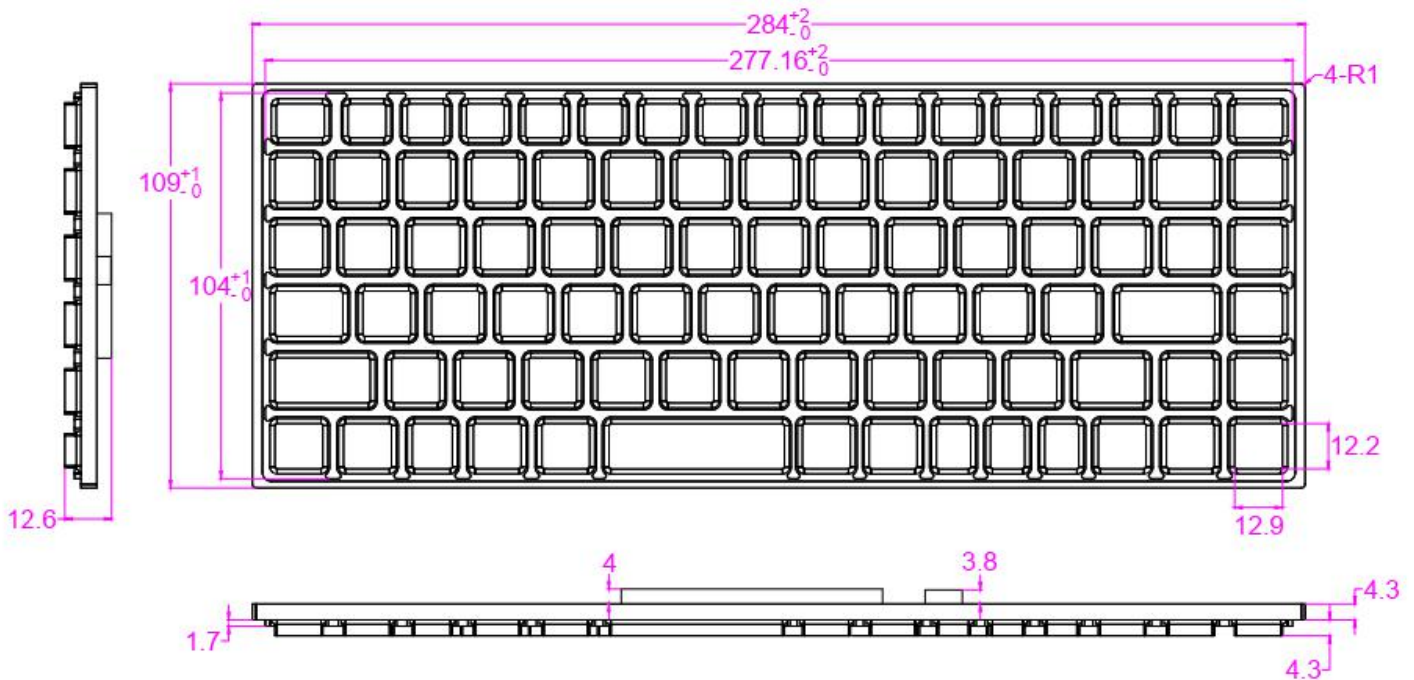
E-mail: info@key-tek.cn, sales01@key-tek.cn

Website: www.key-tek.cn, www.rugged-key.com

**Model NO:** K-TEK-M284-FN-IL-OEM

**DESCRIPTION:** 89 keys IP67 dynamic waterproof silicone rubber keyboard, with carbon-on-gold key switch 12 FN keys (F1, F2...F11, F12) on top line for easy operation, 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, durable coating & antimicrobial keyboard surface withstand to most chemicals and liquids under harsh environment, top panel mounting, industrial backlight optional.

**Dimensions:** 284.00mm x 109.00mm x 12.6mm (L x W x H)





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### APPLICATIONS:

This ruggedized and compact design keyboard can be good for working in low-light areas, it is also available with optional LED backlighting. 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 provides 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 liquid, which means it can withstand directed hose water, disinfectants, environmental contaminants and heavy industrial use.

Special durable-coating for excellent mechanical and chemical resistance.

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

Actuation Force: Square key: 1.2N+/-0.1N Rectangular key: 2N+/-0.1N

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.

Low-profile keys for easy cleaning

Key life: 5 millions

### MECHANICAL DATA

Key: 89 keys

Key top style: Protuberant rectangular keys with tactile feeling.

More than Lifetime 5 million strokes

G.W.: 0.80KGs

Dimensions: 284.00mm x 109.00mm x 12.6mm (L x W x H)

### ELECTRICAL DATA

Supply Voltage: +5V DC +/-5%

Current Rating: 30mA (non-backlight), 300mA (with backlight on)

Lifespan > 5 years

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

Interface: PS2, USB available.

Cable length: Standard 2.0m, customized length available.

OS: All Windows, Linux, Unix, Mac OSX, Vxworks, Android, (U-cos--To be confirmed)

### ENVIRONMENTAL ADAPTABILITY

Operating temperature: -20°C to +60°C

Storage temperature: -30°C to +70°C

Saline mist: 96h, IEC60512-6

Damp heat test at +40°C: 21 days, IEC 60512-6

Dry heat test at +85°C: 10 days, IEC 60512-6

Operating RH: 100%

Atmospheric pressure: 60-106Kpa

Shock: 3 x 11 ms pulses of 50g on each of 3 axes





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### RELIABILITY

RoHS, CE, FCC

Protection Level: IP67

Key Lifespan >5 million actuations

MTBF >20000H

MTTR <30min

