



KEY TECHNOLOGY (CHINA) LIMITED

深圳市键特电子有限公司



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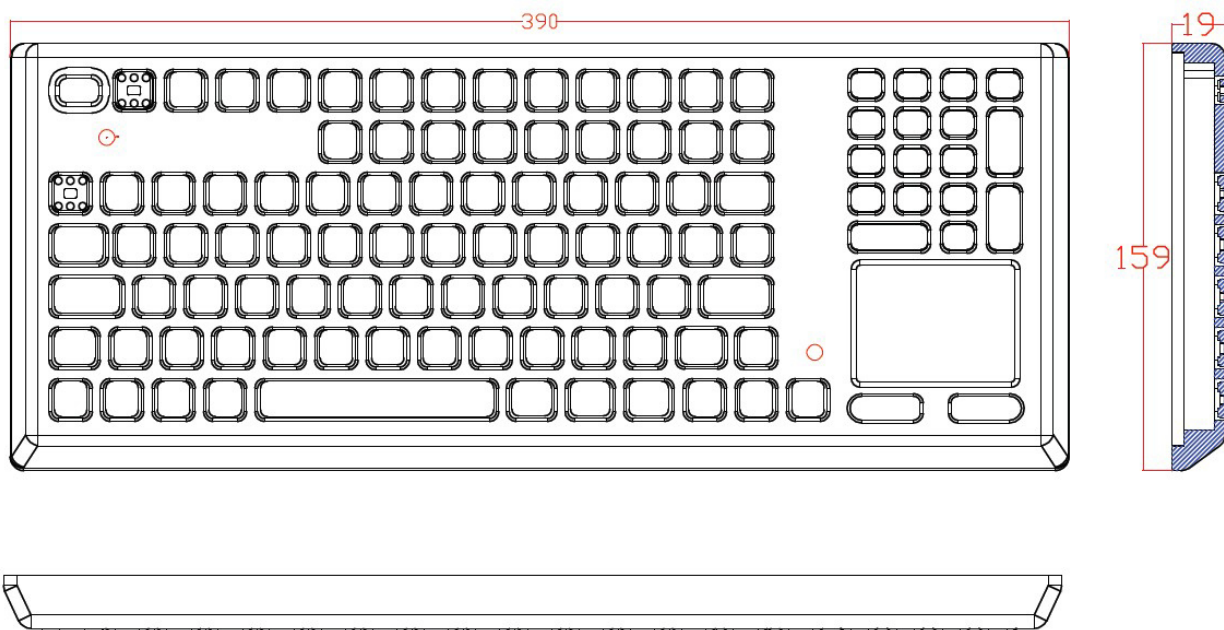
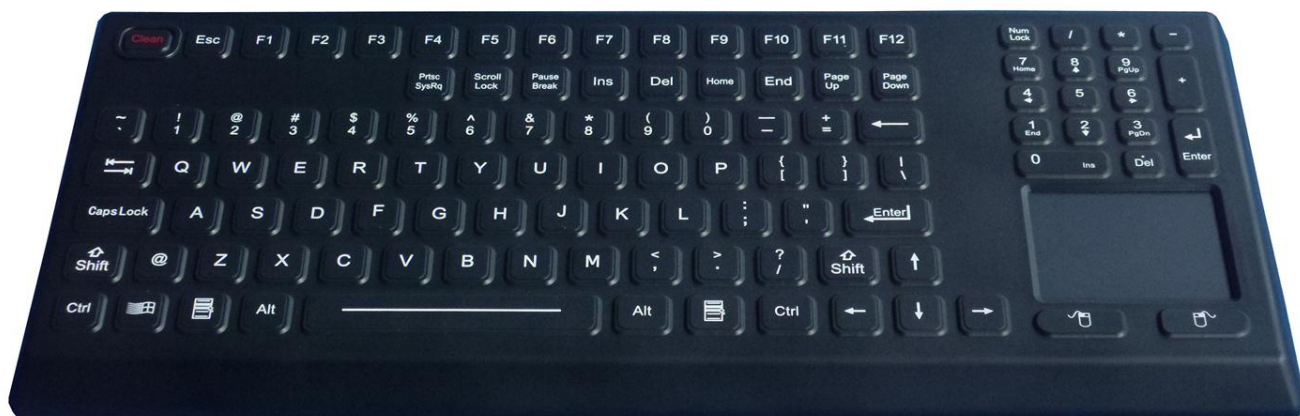
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Website: www.key-tek.cn, www.ikb-mkb.com

Model NO: K-TEK-M390TP-KP-FN-DT

Dimension: 390.0mm x 154.0mm x 19.0mm (L x W x H)

Description: 108 keys IP68 dynamic rated & ruggedized industrial silicone rubber Hygienic keyboard with full keyboard functionalities, integrated numeric keypad, sealed & ruggedized tough touchpad for fast and accurate cursor position, function keys (F1, F2...F11, F12) are on upper line; 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, Clean key for easy cleaning via lock/disable the keyboard without needing to take away the keyboard from PC, movable stand alone desk top version sealed & ruggedized with 5.0mm thickness aluminum back plate with sand blasting & oxygenation surface treatment, adjustable industrial backlight optional.





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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 numeric pad allows for easy data entry.

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 & gas, food & 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, Aluminum (rear side).

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





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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.: 1.50KGs

Dimensions: 390.0mm x 154.0mm x 19.0mm (L x W x H)

ELECTRICAL DATA

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

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

EMC Standard: It is compliance with the council EMC directive 89/336/EEC EN55022: 1988+A1:2000+A2:2003 EN55024: 1988+A1: 2001+A2:2003

Emission: EN 50081-1

Immunity: EN 50082-1

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: -20°C to +60°C (industrial level)

-40°C to +85°C (military level)

Storage temperature: -30°C to +70°C (industrial level)

-55°C to +150°C (military level)

Humidity: 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: IP68, NEMA 6P

Key Lifespan > 10 million actuations

MTBF > 50000H

MTTR < 30min

