



KEY TECHNOLOGY (CHINA) LIMITED

深圳市键特电子有限公司



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Model NO: K-TEK-M396-OTB-KP-FN-DT

DIMENSIONS: 399.0mm x 149.0mm x (20.0mm-37.90mm) (L x W x H)

DESCRIPTION: 106 keys IP68 dynamic sealed & ruggedized industrial silicone rubber Hygienic keyboard with full keyboard functionalities function keys, integrated numeric keypad, IP68 dynamic rated 16.0mm optical trackball module with 800 DPI resolutions for fast and accurate cursor position with extremely smooth 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, 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.





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

The trackball pointing device is a completely sealed 16.0mm optical unit, featuring a removable ball for convenient cleaning. The trackball is operated using sealed rubber switch with 3 mouse buttons designed for right & left clicking and scrolling up and down with ball rolling.

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.

Special dura-coating for excellent mechanical and chemical resistance

With firm tactile key feel, key travel 1.50mm.

Integrated numeric keypad.

Optical IP68 mouse available

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

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

Enclosure: industrial silicone, robust polycarbonate case.

MECHANICAL DATA

Key: 109 keys

Key top style: Protuberant rectangular keys with tactile feeling.

Key Size: 12.0mm x 13.0mm for normal keys, 23.4.0mm x 13.0mm for enter key and space bar key.

Switch life: more than 10 million of operations.

Tracker ball: 16.0mm diameter.

Actuation Force: 0.8 N+/-0.1N for normal key with 12.0mm x 13.0mm (pressure point),

1.6 N+/-0.1N for key 23.4.0mm x 13.0mm (pressure point)

Cable Length: 2.50m

G.W.: 1.00KGs

Dimensions: 399.0mm x 149.0mm x (20.0mm-37.90mm) (L x W x H)





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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

ENVIRONMENTAL ADAPTABILITY

Operating temperature: -20°C to + 55°C

Storage temperature: -40°C to + 65°C

Operating RH: 30-90%

Atmospheric pressure: 60-106Kpa

Saline mist: 96 hours, IEC 60512-6

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

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

RELIABILITY

RoHS Compliant, CE and FCC, ESD

Protection Level: IP68, NEMA 6P

Key Lifespan >10 million actuations

MTBF >50000H

MTTR <30min

