



KEY TECHNOLOGY (CHINA) LIMITED

深圳市键特电子有限公司



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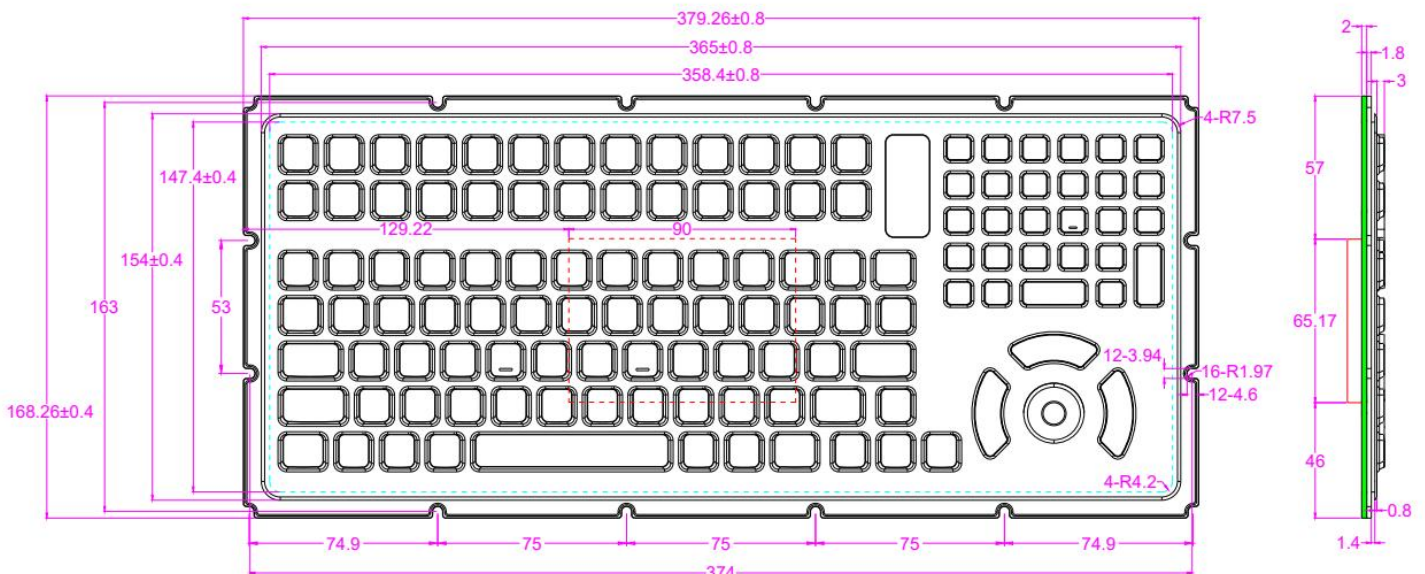
E-mail: info@key-tek.cn, sales01@key-tek.cn

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

MODEL NO: K-TEK-M365HP-KP-FN-BL-ML-EMC-OEM

DESCRIPTION: 122 keys IP65 dynamic sealed and ruggedized silicone rubber military keyboard with full keyboard functionalities with a Force Sensing Resistor pointing device for fast and accurate cursor position, 24 FN keys (F1, F2...F23, F24) are on top line for easy operation, with military 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 combination key to lock/disable the keyboard for easy cleaning without needing to take away the keyboard from PC, gold finish PCB sealed and ruggedized with top rubber for rear panel mounting, with stainless steel housing protects the electronics controller, with backlight included (red/white optional). Military level, designed to meet MIL-STD-461G (EMC, EMI, EMS, ESD) and MIL-STD-810F (wide temperature, shock, salt mist, vibration, fungus, humidity etc.)

Dimensions: 365.0mm x 154.0mm (L x W)





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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 with red adjustable backlighting, while 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, 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.

Integrated Force Sensing Resistor Pointing Device.

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

USB connection cables that plug directly into computer like keyboard operations.

Low-profile keys for easy cleaning

MECHANICAL DATA	
Keys	122 keys (including 3 mouse buttons)
Key top style	Protuberant rectangular keys with tactile feeling
Key Size	14.0mm x 14.0mm for normal keys
Key travel	1.20mm±0.1mm
Actuation Force	1.2N±0.2N (pressure point)
Switch life	more than 5 million of operations
G.W.	1.20KGs
ELECTRICAL DATA	
Supply Voltage	DC +5V±5%
Current Rating	50mA when backlight is off, 300mA with backlight on
Meet MIL-STD-461G with EMC (Electro Magnetic Compatibility) etc.:	
1	CE101 25Hz - 10kHz Conducted Emissions, Audio Frequency Currents, Power leads





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2	CE102 10kHz -10MHz Conducted Emissions, Radio Frequency Potentials, Power leads
3	CS101 25Hz - 150kHz Conducted Susceptibility, Power Leads
4	CS106 Conducted Susceptibility, Transients, Power Leads
5	CS112 Electrostatic Discharge Susceptibility
6	CS114 4kHz -400MHz Conducted Susceptibility, Bulk Cable injection
7	CS115 Conducted Susceptibility, Bulk Cable injection, Impulse Excitation
8	CS116 10kHz - 100MHz Conducted Susceptibility, Damped Sinusoidal Transients, Cables and Power Leads
9	RE101 25Hz -100kHz Radiated Emissions, Magnetic Field
10	RE102 10kHz - 18GHz Radiated Emissions, Electric Field
11	RS101 25HZ - 100kHz Radiated Susceptibility, Magnetic Field
12	RS103 10kHz - 40GHz Radiated Susceptibility, Electric Field

MIL-STD-810F (wide temperature, shock, vibration, humidity).

Lifespan	> 5 years
Switch Contact Material	Carbon-on-Gold key switch technology with gold PCB
Interface	USB
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	-40°C to +75°C
Storage temperature	-45°C to +85°C
Operating RH	100%
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 certified, MIL-STD-461G (EMC, EMI, EMS, ESD) and MIL-STD-810F (wide temperature, shock, salt mist, vibration, fungus, humidity etc.)





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Protection Level	IP65 dynamic (front panel)
Key Lifespan	>5 million actuations
MTBF	>20000H
MTTR	<30min
APPLICATIONS	Vehicle, aerospace, naval, defense, maritime, Radar, console, portable rugged laptop, UAV ground station etc.

