

MKB-99-NLM

Low-keys Medical Grade Keyboard, Antibacterial,
With Backlit, IP68 Waterproof, With mounting holes



DESCRIPTION

MKB-99-NLM series compact fully sealed IP68 dustproof and waterproof medical keyboard is mainly designed for harsh medical environments, such as medical carts, diagnostic equipment, operating rooms, laboratories, hospitals, clinics, dentistry, dialysis centers, endoscope carts, dispensing carts, pharmacies, greasy workstations, etc. The square shaped exterior design of this model has been recognized for its embedded applications.

This series of silicone keyboards have 1% antibacterial material added to both the silicone surface and ink, with an antibacterial rate of up to 99.9% (Escherichia coli, methicillin-resistant Staphylococcus aureus, Staphylococcus aureus)

Features

- Fully sealed silicone casing, IP68 waterproof.
- Antibacterial material with 99.9% antibacterial rate.
- USB connection. plug and play.
- 100% Silicone(LATEX FREE)
- With USB waterproof cap, 100% waterproof.
- With White Backlit.
- Language and layout: Available on request
- Integrated VESA100 holes
- Built-in 5pcs magnets, Placed on metal supports they do not slip (Optional)

MECHANICAL DATA

Keyboard Size:	L: 385.00 ± 0.5mm
	W: 140.00 ± 0.5mm
	H: 16.00 ± 0.5 mm
Color:	White or Black (Other colors is available on request)
N.W.:	920Gs
Material:	100% Silicone (LATEX FREE)
Surface Treatment:	Spray ink+Laser engraving characters+Silicone matting oil
Silicone hardness:	45 degrees
Assembly method:	Glue sealing
Keys:	99 keys
Key top style:	Protuberant rectangular keys with tactile feeling
Key technology:	Scissor foot key core module + Sealed silicone sleeve(Polyester film substrate printing silver paste)
Key Size:	16.0mm x 16.0mm for normal keys,
	37.0mm x 16.0mm for enter key,
	98.0mm x 16.0mm for space bar key.
Key operating force:	70g for normal keys,
	75g for enter key,
	80g for space bar key.
	Key operating force: available on request
Key travel:	2.0 ± 0.2 mm
Rebound time:	MAX 5ms
Return force:	≥ 40g
Key life:	More than 6 million of operations
VESA Mounted:	VESA 100, M4*6
Magnetic back:	Built-in 5pcs magnets (Optional)
Cable Length:	Standard 1.8m (Customized length available)

ELECTRICAL DATA

Interface:	USB (Other Interface: available on request)
Supply Voltage:	4.75V-5.25V
Current Rating:	≤100mA
EMC Standard:	EN60601-1
OS:	All Windows, Linux, Unix, Mac OSX, Vxworks, Android, (U-cos--To be confirmed).

ENVIRONMENTAL ADAPTABILITY

Operating temperature:	-20℃~80℃
Storage temperature:	-25℃~85℃

RELIABILITY PARAMETERS:

Coating Adhesion Test:	Baige method, 3M610 # tape 3 times -5B
Wear Resistance Test:	RCA, 175g force -28 times/20um
Alcohol Resistance Test:	95% Ethanol, 500g Positive pressure, Travel friction machine, Travel 16mm, Speed 68 cycles/min -50 cycles without abnormalities
Salt Spray Resistance Test:	5% NaCL, spray tank temperature 35 ℃, salt water intake 1ml/h -72h, no abnormality.

Weather Resistance Test: Ultraviolet irradiation - light energy of 250 μ W/cm²-300 hours without abnormalities.

Dust and Waterproof Test: IP68

Time: 96h

High Temperature Test: Temperature: 85±2℃,
Humidity: 95±5% R.H.

Low Temperature Test: Time: 96h
Temperature: -25±2℃,
Time: 96h

Moisture Test: Temperature: 40±2℃,
Humidity: 100% R.H.
Temperature: -25±2℃ for 1 hour and then 85±2℃ for 1 hour

Thermal cycle test: Times of cycles: 15 cycles/sec
27 cycles without abnormalities
Test frequency: 3 cycles/sec

Keys life test: Operating force: 70gf Max
Lifespan times: 6 million cycles
Times of drops: 6 times

Package Drop Test: Drop height: 60±5cm
Direction: Once in each of the six directions
Drop surface: Plastic floor tile.

CERTIFICATE: FCC CLASS B PART15, CE, EN60601-1, IP68, RoHS, UKCA, Antibacterial

Warranty 1 year