



X-Key (China) Limited

SERIES NO.: X-RP94SD

DESCRIPTION: IP68 rated industrial silicone BACKLIGHT keyboard with built-in mouse and function keys on the top line, with carbon-on-gold key switch technology with long stroke 1.5mm, **with antimicrobial keyboard surface**, standard alone desk top version.

MODEL NO.: X-RP941SD

DIMENSIONS: 286 x 148 x 11 mm(L x W x H)



APPLICATIONS:

1. For working in low-light areas, it is also available with optional illumination version.
2. This keyboard provides full-size versatility in a rugged, compact design with the added convenience of built-in mouse. 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.
3. **MEDICAL:** lab, hospital, clinic, dental, such as carts, diagnostic equipments, operation rooms, dialysis centers etc;
4. **MATERIAL HANDLING:** mobile keyboard, data entry, assembly line etc
5. **MILITARY:** Army, Navy, Air force
6. **INDUSTRIAL:** Industrial automation, pharmaceutical, oil and gas, food and beverage, clean or dirty manufacturing environments, warehouses
7. **OTHER INDUSTRIES**

MAIN FEATURE

1. 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.
2. Keyboard with this built-in mouse, **the cursor can only be moved at a constant speed.**
3. Keyboard provides full-size versatility in a rugged, compact design, rugged construction for reliable functionality
4. 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.
5. Special dura-coating for excellent mechanical and chemical resistance.



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6. With firm tactile key feel, key travel 1.5mm key travel.
7. Ease of customizing with multiple languages, to accommodate foreign or custom variants.
8. PS/2, USB connection cables that plug directly into computer like keyboard operations.
9. Enclosure: industrial silicone with **silver ion antibacterial agent**.

MECHANICAL DATA

1. Key: 94 keys
2. Key top style: Protuberant rectangular keys with tactile feeling.
3. Switch life: more than 10 million of operations.
4. Cable Length: 1.85m
5. G.W.: 0.7KGs(**X-RP941SD**)

ELECTRICAL DATA

1. Supply Voltage: +5V DC +/-5%
2. Current Rating:
PS2: keyboard with 210mA@5V (from keyboard port)
USB: 220mA@5V (from CPU port)
3. 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
4. Emission: EN 50081-1
5. Immunity: EN 50082-1
6. Lifespan> 3 years
7. Switch Contact Material: Carbon-on-Gold key switch technology with gold PCB.
8. Interface: PS2, USB available.
9. OS: DOS/Windows95/98/NT/ME/2000/2003/XP/Vista/7/8, Linux, Unix, Mac OSX

ENVIRONMENTAL ADAPTABILITY

1. Operating temperature:-30°C to +65°C
2. Storage temperature: :-40°C to +65°C
3. Humidity: 100%
4. Atmospheric pressure: 60-106Kpa
5. Shock: 3x11 ms pulses of 50g on each of 3 axes
6. Vibration: POWER SPECTRAL DENSITY: 0.04g/Hz, FREQUENCY RANGE: 20Hz - 2kHz, DURATION OF TEST PER AXIS: 3 hours
7. Flammability
PRINTED CIRCUIT BOARD: 94 VO
SILICONE OVERLAY: 94 HB
INTERFACE CABLE: 94 V

RELIABILITY

1. RoHS Compliant, CE and FCC
2. Protection Level: IP68, NEMA 6P



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3. Key Lifespan >10 million actuations
4. MTBF >50000H
5. MTTR <30min



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