BLTX

Rugged Keyboard

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Main Features

Rugged industrial design, with Touchpad, IP65 graded

83 keys keyboard with Touchpad

With red backlit

Full travel mechanical key with sealed membrane, good tactile feelings

Rugged PBT keycap design with legends done by sublimation, durable

Housings are made of tough Industrial grade materials

FCC, CE, ESD and RFI certified

USB interface or Bluetooth interface (together with USB charging Lithium battery)

Bluetooth version comes with stainless steel bracket and handle

Technical Data

[Electronics]
USB Interface
Power supply: +5V/DC
Current input: <100mA
Bluetooth Interface
BLE / 2.4GHz Multi-Protocol Device
Supports S110/120/130 Bluetooth Low Energy Protocol Stack
3 Data Rates (2Mbps/1Mbps/250Kbps)
Frequency range: 2400 – 2483.5 MHz
Tx power: +4 to -20 dBm
Rx sensitivity: -93 dBm typ
Antenna: PCB Antenna

[Touchpad]
Active Sensing Area: 61.80 x 45.8 mm
Position Detection Method: Mutual capacitance sensing
X/Y Position Sensing Resolution: Up to 40 counts / mm
Tracking Speed: Up to 1,016 mm / sec
Lifetime (Plastic Overlay): Minimum 10,000,000 strokes (500 km)
Sample Rate: Up to 300 samples / sec

[Mechanical]
Total travel: 4 - 0.5mm
Peak load before make: 65 ± 20cN
Life Cycle: 10 million keystrokes

[Others]
Storage temperature: -40℃ to +80℃
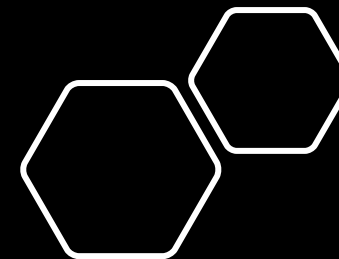Operating temperature: 0℃ to +50℃
Operating humidity: 20% to 90%
Housing Material: PC + PBT

[Dimensions]
USB: 304.3 x 196.3 x 32.7, mm
Bluetooth: 309.4 x 205.3 x 59.2, mm (includes the bracket and handle)

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