



Long-Travel Rugged PC-Compatible Keyboard with Touchpad

Key Highlight

- Full-travel mechanical keys with sealed membrane and excellent tactile feedback
- Integrated touchpad and red LED backlighting for low-light environments
- USB or Bluetooth connectivity with rugged industrial construction
- IP65-rated design with durable PBT keycaps for long service life

Production Information

The Keetronics Long-Travel PC-Compatible Keyboard is engineered for reliable performance in demanding industrial and defense environments. Designed with over 32+ years of expertise in advanced input device manufacturing, this keyboard delivers durability, comfort, and precise tactile feedback for mission-critical operations.

Featuring full-travel mechanical keys with a sealed membrane, the keyboard provides excellent tactile response while protecting internal components from dust and moisture. Rugged PBT keycaps with sublimation-printed legends ensure long-term durability and clear visibility even under heavy usage. The industrial-grade housing is built to withstand harsh operating conditions.

Technical Specifications

Operating Temperature	0°C to +50°C
Storage Temperature	−40°C to +80°C
Operating Humidity	20% to 90% RH
Key Type	Full-travel mechanical keys with sealed membrane
Total Key Travel	4.0 ± 0.5 mm
Peak Load Before Make	65 ± 20 dN
Key Life	10 million keystrokes
Housing Material	−20°C to +55°C
Protection Rating	PC + PBT
USB Version	Ip65
Bluetooth Version	304.3 × 196.3 × 32.7 mm
Current Consumption	309.4 × 205.3 × 59.2 mm (including bracket and handle
Wireless Type	+5V DC
Supported Protocols	<100 mA
Data Rates	BLE / 2.4 GHz multi-protocol
Frequency Range	Bluetooth Low Energy (110/120/130 stacks)
Transmit Power	2 Mbps / 1 Mbps / 250 Kbps
Receiver Sensitivity	2400 – 2483.5 Mhz
Antenna Type	+4 to −20 dBm
Battery	−93 dBm (typical)
Active Area	PCB antenna
Sensing Method	Rechargeable lithium battery with USB charging
Resolution	61.8 × 45.8 mm
Sample Rate	Mutual capacitance
Touchpad Life	Up to 40 counts/mm
Certifications	Up to 1016 mm/sec