

P2301B Optical Mouse Technical Specification

- 1、 Keys: Three Buttons, One 360° wheel
- 2、 Key Stroke life time:
 - Left /right $\geq 1,000,000$ Cycles
 - Middle keys $\geq 100,000$ Cycles
 - Wheel switch $\geq 100,000$ Cycles
- 3、 Contact method : Micro switch/wheel switch
- 4、 Movement detect mode: Optical sensor(Angilent)
- 5、 Report rate: 80 reports/s
- 6、 Resolution: 800 DPI
- 7、 Security Code: 2048 different security code
- 8、 RF Transmission mode(Test Conditions:Vcc=3.0V):
 - FSK RF Transmission $27.145\text{MHz} \pm 2.5\text{KHz}$
- 9、 Channel bandwidth 50KHz
- 10、 Modulation Deviation $3.0\text{KHz} \leq \Delta f \leq 6.5\text{KHz}$
- 11、 Tx Emission Level: $60\text{dBuV/m} \leq E_{3m} \leq 80\text{dBuV/m}$ at 3m
- 12、 Batteries 2 x AAA Size
- 13、 Operating Distance: $\geq 1.5\text{m}$ in normal environment
- 14、 Power consumption(Test Conditions:Vcc=3.0V):
 - $\leq 60\text{mA}$ (Active) $\leq 1.5\text{mA}$ (After 18minute)
- 15、 Battery life: ≥ 15 hours at Active mode with Alkaline Batter
- 16、 Low battery Annunciator: $2.4\text{V} \pm 5\%$
- 17、 System Requirement:
 - Win95/Win98/WinNT /WinMe/WinXP/Win2000 (Driver required in Win95/WinNT)
- 18、 Mechanical Dimension:
 - L:123mm W:65mm H:39mm
- 19、 Plastic Material : ABS
- 20、 Net weight: 76.5g
- 21、 Storage temperature: $-40^{\circ}\text{C} \sim 55^{\circ}\text{C}$
- 22、 Working temperature: $0^{\circ}\text{C} \sim 40^{\circ}\text{C}$
- 23、 Operating humidity: 40%~90%