

NCTS-WM23

2.4G+BT Wireless Mouse

NCTS-WM23

Production specification

This mouse is a high performance, low power, CMOS process optical mouse sensor., As a non-mechanical motion estimation engine for implementing a computer wireless mouse.

1.2 Product feature:

- 1.2.1 optical guidance technology
- 1.2.2 Ergonomic design, feel comfortable, reduce hand fatigue
- 1.2.3 Highest DPI: 1600DPI
- 1.2.4 Polling rate: 250Hz.

Mechanical specification

2.1 Structural dimensions and weight

- 2.1.1 Mouse size : 110 * 62*22mm
- 2.1.2 Mouse weight : about 68g \pm 0.2g

2.2 Specifications of the main mechanism components

2.2.1 The main plastic material

Key: #PVC material

Bottom cover: #PVC material

Inner base: #ABS material

Roller: Metal roller

2.3 Microswitches and encoders

- 2.3.1 The operation force of the left and right keys: 70gf \pm 15gf,
The difference of the operation force of the left and right keys: 15gf
- 2.3.2 The operating force of the roller downward pressure: 70 gf \pm 15gf
- 2.3.3 Roller rolling operation force: 25 \pm 5gf

Electrical specification

3.2 Tracking system: Red light

3.3 Working voltage :DC 5V

3.4 Rated current: <20mA

3.5 Photoelectric component performance

3.6 SENSOR: 8650

3.7 Key Function

- 3.7.1 Left Button 1: The standard function of the left mouse button.
- 3.7.2 Right- button 2: Standard right function of the mouse.
- 3.7.3 Middle Button 3: Standard function of the middle button of the mouse;

NO. MODE

1	LEFT BUTTON
2	MIDDLE BUTTON
3	RIGHT BUTTON

3.8 Coding Mode:

3.8.1 Code alignment is not required in fixed connectionless hibernation

3.8.2 Bluetooth pairs reside for 3 to 5S

3.8.3 Exit the Bluetooth code matching immediately after the Bluetooth code matching succeeds



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Technical Specifications

Model: NCTS-WM23

Ambient temperature and reliability test specifications

- 4.1 Reliability test of ambient temperature
- 4.1.1 Temperature and humidity operation test:
- 4.1.2 High temperature and humidity operating test: 65+/-2°C RH95%+/-5%,48H
- 4.1.2 Low temperature operation test: -40+/-2, 48H
- 4.1.3 Cyclic Temperature and Humidity storage test (the following 10 cycles)
- 20+/-2°C, 2H; 25+/-2°C, RH50%+/-5%,2H;
- 65+/-2°C,95%+/-5%,2H; 25+/-2°C, RH50%+/-5%,2H;
- 4.2 Other reliability tests
- 4.2.1 Basic functions testing
- 4.2.2 Use mouse basic test software to test its electrical basic function
- 4.2.3 Key switch life test:
- Left and right keys: 5 million times
- Middle key: 2 million times
- DPI:3 million times
- 4.2.4 Code switch life test: 200,000 times
- 4.2.5 Focal length test of occupational hazard observation and notification system: N/Amm
- 4.2.6 Left and right gyro elasticity test:44-74g
- 4.2.7 Roller torque test :10g-40g
- 4.2.8 Seam test: the seam between the top cover, the bottom cover and the top cover is 0.2± 0.1mm, and the height key is ≤0.15
- 4.2.9 Segment difference test: down-segment difference ≤0.1mm, inverse segment difference ≤0.15mm:10g-40g
- 4.2.10 Draw a circle test: can draw a circle on ordinary black paper and white paper as required
- 4.2.11 High and low voltage test: 4.50V, 5.25V, can be used normally
- 4.2.12 Black paper test: It can be used normally on ordinary black printing paper
- 4.2.13 Mouse pad testing; It can be used normally on ordinary white, black and blue mouse pads
- 4.2.14 Anti-interference test: multiple mice working in the same place at the same time can be used normally.
- 4.2.15 Light resistance test :500W
- 4.2.16 Roller centered: the line of sight is perpendicular to it, rolling at a uniform speed, the roller can be ±0.2MM without eccentricity
- 4.2.17 Other reliability tests: Refer to the QE test requirements
- 4.3 Drop test
- 4.3.1 Bare machine: height 76cm, down 6 sides, 4 angles
- 4.3.2 Gift box fall: height 76cm, fall 6 sides, 4 corners, impact surface is steel plate
- 4.3.3 Outer box: 1 corner, 3 edges, 6 sides

4.3.3 Mouse noise test: Distance 420mm+/-10mm, ≤50db

4.3.4 Chemical resistance test: N/A

4.3.5 Mouse common material reliability test: Refer to common material reliability test items

4.3.6 Electrical safety certification testing

4.3.6.1 This product is ESD tested

4.3.6.2 Air discharge +/-8KV, 10 times each;

4.3.6.3 Contact discharge +/-4KV, 10 times each;

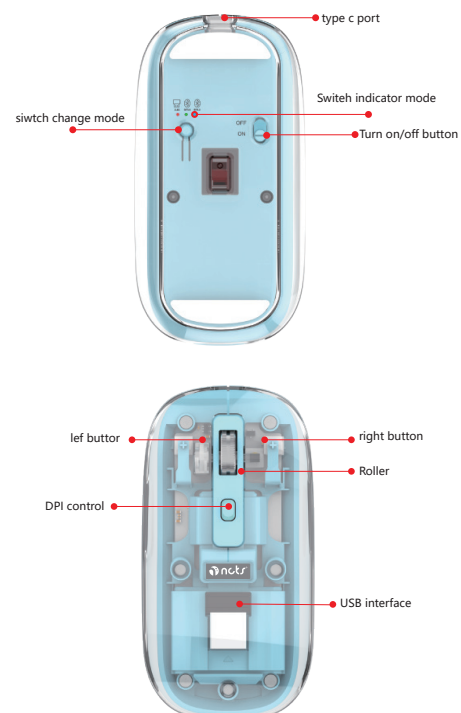
4.3.7 EMI electromagnetic interference: N/A

Electromagnetic interference

5.1 computer system requirements:

5.1.1 Windows 2000,WIN XP, WIN7,WIN8,WIN10 operating systems

5.1.2 Equipped with USB 1.1 or above version port, Bluetooth 3.0/5.2 version port.



GW	Drop Height	shock surface
0-20kg	76cm	steel plate
20-40kg	60cm	steel plate