

MS-020OR Pruduct Description

Purpose: MS-020OR is a wireless optical mouse, identical to current mice, adds the convenience of being free of cable. The system uses the 27 MHz ISM band. The transmitter realize a low power mode for batteries saving.

System: This wireless optical mouse MS-020OR works with the MS-019RX or all compatible receiver.

Microprocessor:	EM78P257M
Radio transmission:	no directional, from mouse to computer only.
Number of channels:	2
Channel select method:	slide switch.
Carrier frequencies:	27.045MHz / 27.145MHz
Modulation:	FSK
Transmission range:	over 1.5m typical, free space.
Power consumption:	-8dBm typical when in movement.
Effective radiated power:	-45dBm typical.
Antenna:	inductive loop antenna, integrated on printed circuit board.
Battery:	alkaline, 2 x AA
Power shut off voltage:	2.04v±5%;
Data rate:	5800 bit/s.
Operating voltage:	2.1~3.3 Vdc.
Current consumption (operation):	28mA.
(stand-by):	18mA.
(sleep 1):	1mA
(sleep 2):	150uA
Resolution:	800DPI.
Micro switch:	chock-per: 1,000,000 cycles.
Number of button/wheel:	3 button, 1 wheel.
Running life:	3 years
Operation force in any direction:	Max: 100gf.