

## MS-019RF: Product Description

Purpose: MS-019RF 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-019RF) 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
Antenna :	inductive loop antenna, integrated on printed circuit board.
Battery :	alkaline , 2 x AA
power shut off voltage:	2.04v $\pm$ 5% .
Data rate:	5800 bit/s.
Operating voltage:	2.1~3.3 Vdc.
Current consumption (operation):	28mA.(This is the average on the white paper test)
(stand-by):	18mA.
(sleep1):	1mA.
(sleep2):	150uA
resolution :	800 DPI .
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.

**Monday, January 13, 2003**