

# Operation Description

## (RX PART)

The **MA64101-6** solution is to use the mouse 2.4G MosArt new highly integrated IC **H416**, hardware integration USB controller, RF circuit, LDO, Voltage detector ...and other components, the fastest transmission speed up to 1.5Mbps.

The **H416** highly integrated solution is designed to reduce the number of peripheral components, the solution provide customers with the best choice.

The **MA64101-6** operates USB wireless mouse/keyboard device transceiver SOC. The **MA64101-6** can receive command and echo status or data format from keyboard and mouse, which are compatible with USB mode.

The **MA64101-6** can work with MosArt **MA4302/MA4302-5/MA380x/MA380x-3** (2.4G MS SOC) and **MA13361/MA1436x-5/MA1386X**(2.4G KB SOC) to be a pair of RF mouse or MS+KB solution.

## *Features*

2.4G SOC chip built-in 2.4G RF transceiver  
Bulit-in 1.8V and 3.3V LDO  
Compatible with USB1.1/2.0 protocol  
FSK modulation type

1M bps air-protocol, 2 ways  
34 RF channels, 24 bits IDs  
Support Standard KB function  
Microsoft 3D, 5B, Tilt mouse are supported  
Mouse report=125  
8 x 20 keys, Keyboard Phantom key detection.  
EEPROM or OTP interface for ID code keeping  
Built-in 16k bytes OTP-ROM.  
Built-in 512 bytes SRAM.