

## KN998 Circuitry Description

The MA6231 is a single chip keyboard transmitter. It is developed to achieve a better performance/cost ratio for wireless office keyboard system. The MA6231 supports 176 (22\*8) keys and 3 rolling wheels which are either IR/PT or mechanical device.

The MA6231 operates using dual RF channels and PS/2 office keyboard device. The MA6231 senses the key press from keyboard and the rolling wheels motion from keyboard device then send their data via RF. Furthermore, the MA6231 has a DC/DC embedded.

- \*Low power CMOS device technology
- \*Support office keyboard (22 \* 8 keys)
- \*2 RF channels are supported
- \*3 build-in rolling wheels controller (both mechanical and photo device are supported)
- \*Auto sleep mode
- \*Phantom key detection
- \*32.768KHz clock rate (low power consumption)
- \*Build-in RF oscillator, modulator and power amplifier
- \*Low power design in standby mode for keyboard and mouse
- \*4k bps Baud rate in air.
- \*ID change solution to resist the interference from the same device
- \*DC/DC embedded
- \*Low Power Detection