

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