

2.4G RF PRODUCT SPECIFICATION

- True single chip GFSK transceiver in a small 24-pin package (QFN24 5x5mm)
- Wireless mouse, keyboard, joystick
- Keyless entry
- Data rate 0 to 1Mbps • Wireless data communication
- Only 2 external components • Alarm and security systems
- Multi channel operation
- 75 channels
- Channel switching time $< 200\mu\text{s}$.
- Support frequency hopping
- Home automation
- Home automation
- Surveillance
- Automotive
- Data slicer / clock recovery of data • Telemetry
- Address and CRC computation • Intelligent sports equipment
- DuoCeiver™ for simultaneous dual receiver topology
- ShockBurst™ mode for ultra-low power operation and relaxed MCU performance
- Industrial sensors

- Toys
- Power supply range: 1.9 to 3.6 V
- Low supply current (TX), typical 10.5mA peak
@ -5dBm output power
- Low supply current (RX), typical 18mA peak in
receive mode
- 100% RF tested
- No need for external SAW filter
- World wide use nRF2401 is a single-chip radio transceiver for the
world wide 2.4 – 2.4835GHz ISM band. The transceiver consists of
a fully integrated frequency synthesizer, a power amplifier, a crystal
oscillator and a modulator. Output power and frequency channels are
easily programmable by use of the 3-wire serial interface. Current
consumption is very low, only 10.5mA at an output power of -5dBm
and 18mA in receive mode. Built-in Power Down modes makes
power saving easily realizable.