



# RA02

## AI Thinker SX1278 Wireless Transceiver



- LoRa™ Spread Spectrum modulation technology
- Constant RF power output at +20dBm-100mW voltage change
- Half-duplex SPI communication
- Supports FSK, GFSK, MSK, GMSK, LoRa™ and OOK modulation modes
- Automatic RF signal detection, CAD mode and very high speed AFC
- Packet engine with CRC up to 256 bytes
- Small footprint dual-row stamp-hole patch package
- Shielded housing
- Spring Antenna

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- Communication distance: 15KM
  - Sensitivity: down to -148dBm
  - Programmable bit rates: up to 300kbps
  - RSSI dynamic range: 127dB
  - Wireless frequency: 433MHz
  - Working voltage: 1.8-3.7v
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