

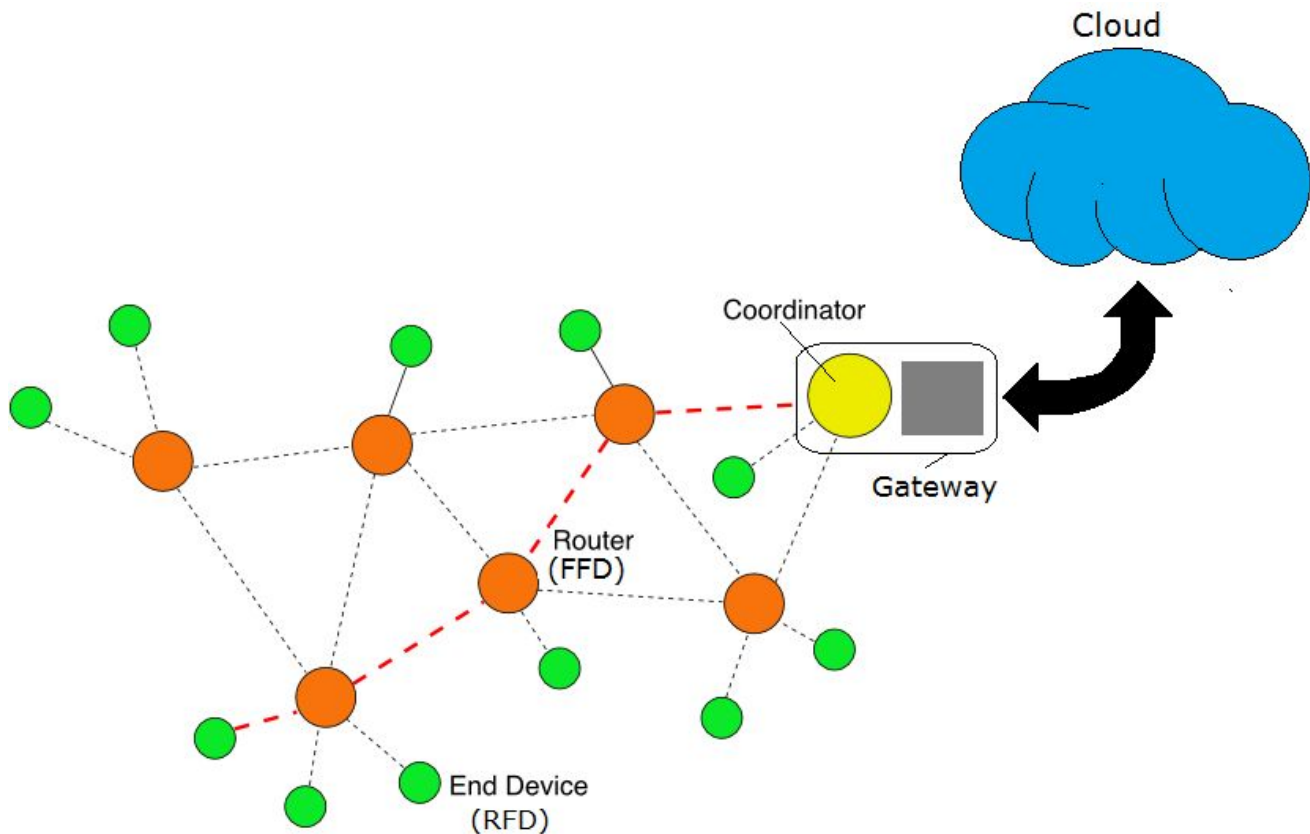
WHTN155 WiSense Wireless Humidity and Temperature Sensor Module



DESCRIPTION

- Low power wireless sensor node.
- Sensor node based on CC1120/MSP430
- Humidity Sensor:
 - Make: CC2D33S (Amphenol Advanced Sensors)
 - Range: 0 to 100 %
 - Accuracy: +/- 3%
 - No calibration required.
- Temperature Sensor:
 - Make: NXFT15XH103 NTC thermistor (Murata)
 - Range: -40 deg C to +125 deg C
- Wireless Operating frequency 865 to 867 MHz (License free in India)
- Radio max transmit power: +13 dBm
- Default Antenna (other antenna options available):
 - Half-wave dipole antenna
 - Gain: +3 dBi
 - Length: 185 mm
- Range: Around 1 KM LOS
- Powered by 2XAAA Batteries (Inside or outside enclosure).
- Reporting interval 1 second or more (configurable in real time via network coordinator).
- Enclosure
 - Material : ABS
 - Dimensions: 120 mm x 80 mm x 50 mm

- Each node has a unique IEEE assigned 64 bit address.
- Very low standby mode current consumption of 2 uA allows for long battery life
- WiSense network coordinator can support up to 64 simultaneous sensor nodes in a single network.



WiSense Low Power Wireless Network Architecture

For any queries, contact:

rkris@wisense.in

WiSense Technologies Pvt Ltd,
NASSCOM COE-IOT,
Lower Ground Floor, DD3,
Diamond District ISRO Colony,
Domlur, Bengaluru 560008

Web: <https://www.wisense.in>

Blog: wisense.wordpress.com