

ZigBee® Ambient Sensor

Far Range Ambient Sensor

Z725A/B/R



Z725
Far range ambient sensor

Z725 series is equipped with ZigBee router for extending coverage area. They contain high solar battery capacity to ensure zero downtime operation.

Z725A has built-in temperature and humidity sensor which report readings.

Z725B can be attached with multi-sensor for general sensing application such as temperature, UV, soil moisture, current or voltage sensing.

Z725R is solely a range extender router without sensors.

Product Model

Z725A: conventional ambient sensing
Z725B: general sensing application
Z725R: outdoor ZigBee range extender only

Main Features

- Z725A: High accuracy $\pm 0.5^{\circ}\text{C}$, $\pm 4.5\%\text{RH}$
- Z725B: 3 ADC ports and 1UART and SPI connection provided (selectable)
- Fully IEEE 802.15.4 compliant
- Equipped with solar powered battery
- Far range transmission up to 700meters
- Low battery alert

Technical Parameters

Communication Range:	Up to 700 meters
Power Supply:	2 x 10AH Li rechargeable batteries Solar panel power supply 3.5 ~ 5.5 VDC
Device Operating Power:	2.4VDC ~3.0VDC
Testing Employed:	NDR (Non-Destructive Read)
Detecting Range:	Temperature $-20\sim 60^{\circ}\text{C}$ Humidity max. 10~90%
Consumption @transmitting mode:	120mA
@receiving mode:	120mA
Accuracy:	Temperature : $\pm 0.5^{\circ}\text{C}$ Humidity : $\pm 4.5\%$