

ONI

O-HT-(WS/WF/CN)

TECHNICAL SPECIFICATIONS

Electrical

- Supply voltage in AC: 100 VAC ~ 240 VAC 50 / 60 Hz
- Supply voltage in DC: 24 VDC (optional)
- Consumption: Max 3.0 W
- Working temperature 10 ~ 65 °C
- Backup battery: Li-ion 3.7 V (8 hours of autonomy / sending messages every 10 minutes + alerts) (OPTIONAL)
- Supply voltage Solar cell:
 - Open circuit voltage (Voc): 6.39 V
 - Max. operating voltage (Vmp): 5V
 - Short Circuit Current (ISC): 2.15 A
 - Max. operating current (Imp): 2 A
 - Maximum power STC (pm): 10 Wp0

Processor

- 32-bit DUAL CORE XTENSA® LX6.
- Clock speed: Between 160 MHz and 240 MHz.
- 520 kB SRAM memory.
- 4 MB FLASH memory.

Case

- Dimensions: 148 x 150 x 83 mm
- Certification: NOM
- Material: ABS Polymer
- Protection: IP66
- Storage Temperature: -20 ~ 80 °C
- Operating Humidity: 5 ~ 90% HR

Optional Connectivity

- Model O-HT-WS:
 - Sigfox : RCZ2 902 MHz.
 - Sigfox : RCZ4 920 MHz.
 - Sigfox : RCZ1 868 MHz.
- Model O-HT-WF:
 - Wi-Fi: 2.4 GHz b/g/n.
- Model O-HT-CN:
 - GSM: 3G - 3.5G (Multicarrier).
- Model OH-T- LW:
 - LoraWan 868 MHz.
 - LoraWan 915 MHz.



Inputs / Variables

- Temperature:
 - Temperature readings from -20 °C to 80 °C with ± 0.1 °C typical accuracy.
 - Update frequency of the measurement 0.5 Hz.
- Relative Humidity:
 - Readings from 0% to 100% with 2% typical accuracy.
 - Update frequency of the measurement 0.5 MHz
- Barometric pressure:
 - Operating pressure from 4.3 PSI to 15.98PSI (30 kPa to 110 kPa)
 - Absolute accuracy ± 0.015 PSI (± 1 kPa).
 - Maximum pressure 290.08 PSI (2000 kPa).
- 1 gland connector (M16 IP66).
 - 1 Gland for voltage supply.
- Straight SMA female connector (antenna).

Indicator LEDS

- 1 Power LED (PWR) - Green.
- 1 Start / Operation LED (RUN) - Red.
- 1 Communication LED (COM) - Red.
- 1 WiFi LED (WIFI) - Red.
- 1 Voltage Supply LED (AC) - Red.

ONI | O-HT-WS is a specialized device for wireless monitoring of variables such as:

- Temperature
- Humidity
- Barometric pressure
- Among others