MacSync Temperature Sensor
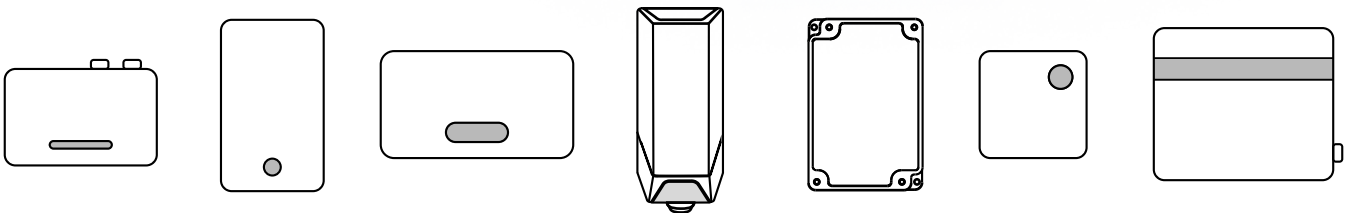
The next evolution in IoT

MacSync   Modules   Gateways   Controllers   Customise

Temperature Sensors

MacSync-X-T1	Temperature · DS18B20 · Waterproof · -55C/+125°C
MacSync-X-T2	Humidity & Temperature · -55C/+125°C
MacSync-X-T3	Humidity & Temperature · ±0.2°C
MacSync-X-T4	Temperature · Non Contact · -70C/+380°C · Field View 5 Degree

Specifications MacSync-X-S4

Operating temp	-40~85°C
Tempe Accuracy	±0.3°C
Humidity Accuracy	0~100%rh , 3 %RH
Probe	Plastic + Metal Corrosion resistant
Shell	Breathable shell
Pressure Capacity	150 bar anti-pressure capability

Device Specifications

General Specifications

Product Part Number	MacSync - LoRa - T4
Product Brand	Macnman Technologies Pvt Ltd
Interface Available	Temperature Sensor Humidity Sensor
BLE	BLE 5.3 - nRF5281 Series
LoRaWAN	STM32WL Series
LoRaWAN range	2 Km Urban 6 Km LoS
Cloud platforms	TTN Chirtstack Helium Ioriot Orbiwise Private

LoRaWAN Specifications

LoRaWAN Class	Class A Class C
Frequency	EU868 IN865 US915 AU915
Activation Type	OTAA
Heartbeat Period	30 Sec to 24 Hrs
LoRaWAN Antenna	Internal
Sensitivity	-138 dBm

Battery Specifications

Power options	In-built battery
Battery life	3 years 1 uplink / 5 mins
Battery capacity	19 Ah (non rechargeable)
Battery Type	Er34615 3.6V 19AH LISOCl2 Battery

Physical Properties

Mounting Methods	Pole mounting Wall mounting
Dimensions	152 mm X 43 mm X 62 mm
Weight	460 gms (with battery)
Shell	Waterproof IP65 weather resistant

Operating Conditions

Operating temperature	-35 C +65 C
Storage temperature	-40 C +125°C
Relative Humidity	95% (non-condensing)
Casing Built	Suitable for indoor, outdoor and harsh environments such as high UV exposure, heavy rain, dusty conditions etc

⬡ Default Parameters

Frequency plan	IN865-868
Adaptive data rate	On
Confirmed Uplinks	Off
Heartbeat Rate	10 mins

To change any parameter of MacSync you need an Macnman Maya app.