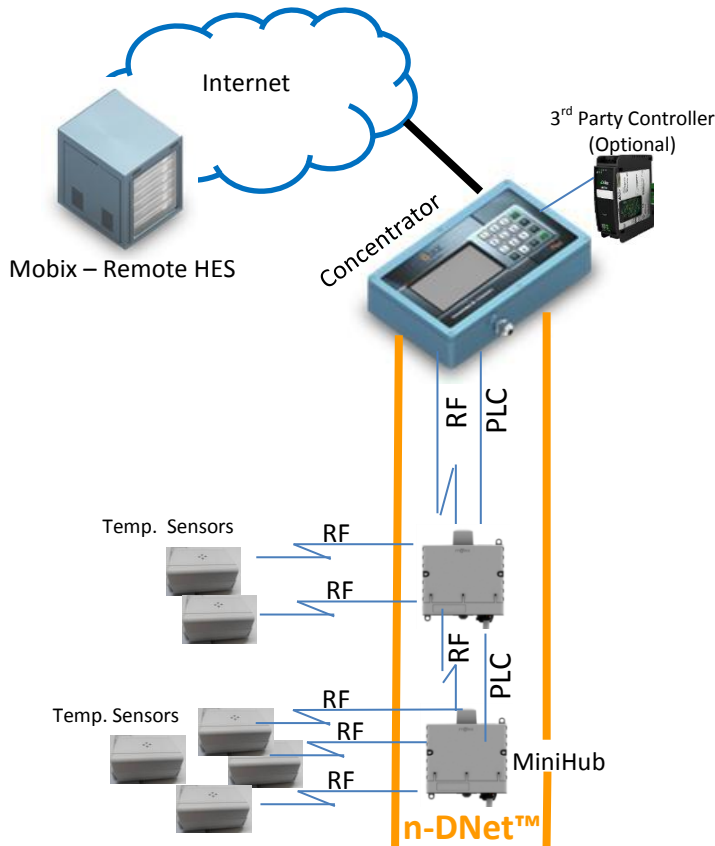


n-DNet™ EndPoint - Wireless Temperature Sensor

Battery operated wireless temperature sensor accurately measuring temperature and reliably communicating it to the central Energy or Building Management System (BMS)



The wireless temperature sensor is a highly cost efficient unit designed specifically for Energy and Building Management Systems (BMS). This low cost, battery powered unit utilizes the Mobix patented n-dimensional n-DNet™ network for its exceptionally reliable Two-Way communications with the central system. In turn, guarantying consisted stream of accurate data to the central system.



n-DNet™

A Mobix patented technology where by in a process of fusion a mesh RF network and a parallel mesh PLC network become a virtual unified network. Messages travel simultaneously over both networks thus guaranty delivery of messages at a cost of deploying only one network.

The simultaneous transmission over non-licensed RF frequencies and PLC makes for the most cost effective solution. As a self learning self healing mesh network, installations are a breeze. In depth topographical studies and deployment challenges involved in RF only based solutions are totally unnecessary. Likewise with PLC only systems, the exact grid layout is not much of a factor.



everything counts

Features

- ❖ Configurable Temp. transmission intervals
- ❖ Configurable Temp. change transmission
- ❖ Remote Configurable
- ❖ Two-way Communication
- ❖ Functions as an Endpoint in the highly reliable n-DNet™ network
- ❖ Cost efficient
- ❖ Easy to install

<u>RF</u>	<u>Temperature</u>
<ul style="list-style-type: none"> ✓ Frequency 240 – 930 MHz <ul style="list-style-type: none"> • North America 915MHz • Europe 868.3 MHz • Brazil 916 MHz ✓ Sensitivity = –118dBm ✓ Modulation: FSK, GFSK, and OOK modulation ✓ Max Output Power 20dBm ✓ Low Power Consumption <ul style="list-style-type: none"> a. 8.5mA receive b. 27mA transmit ✓ Data Rate 1-128 kbps ✓ Complies with FCC regulations ✓ Compatible with standard RF protocols 	<ul style="list-style-type: none"> ✓ Measurement Accuracy 0.8 °F (0.5 °C) ✓ Temperature Range -80 °F ... 260 °F -64 °C ... 128 °C
<u>Dimensions</u>	<u>Battery</u>
<ul style="list-style-type: none"> ✓ External 72x52x31mm 	<ul style="list-style-type: none"> ✓ AA field replaceable (non-rechargeable) ✓ Duration 3-5 Years (usage profile based) ✓ Lithium AA, , 3.6V/2.4Ah, 100mA



Headquarters:
 Mobix Wireless Solutions Ltd.
 25 Bazel St. POB 3849 Petach
 -Tikva 49510 Israel
 Tel: +972-3-921-3484
 Fax: +972-3-921-3482

North America:
 Mobix Inc.
 37-05 Hillside Terrace
 Fair Lawn, NJ 07410
 Tel: (201) 797-0861
 Fax: (201) 625-6398

South America:
 Mobix Individualiza S/A
 Av. Das Nacoes Unidas,
 12551, Sao Paulo 0457800
 Tel: +55-11-3511-1600
 Fax: +55-11-3511-1609

ICS:
 Mobix Russia
 B. Nikitskaya str., 12-12^a/1
 bldg. 1, Moscow, 125009
 Tel: +7-495-629-0301
 Fax: +7-495-691-1677