

Tipify

IoT platform



- 4G Modem options
- Ethernet LAN for BACnet and Modbus
- Ethernet WAN for enterprise connection
- WiFi for WAN or local access
- RS-485 Modbus RTU
- 2 Pulse Inputs for Tariff meter

The T-Star 245 Tipify Platform supports Internet of Things Applications. With the capability to connect to Building Automation Systems and disparate IoT devices, the 245 is fit for Metering, Monitoring, Automated Demand Response, and Analytics for Buildings Systems.

Ethernet LAN and WAN connect to networked devices with BACnet IP or Modbus TCP, and to enterprise servers with oBiX, Haystack, and Arcbeam protocols. Additional options through the 4G modem.

RS-485 and RS-232 interfaces support Modbus RTU integrations.

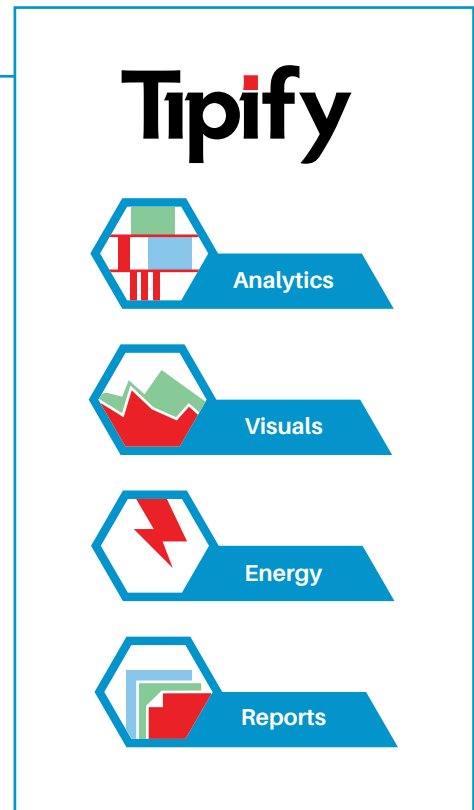
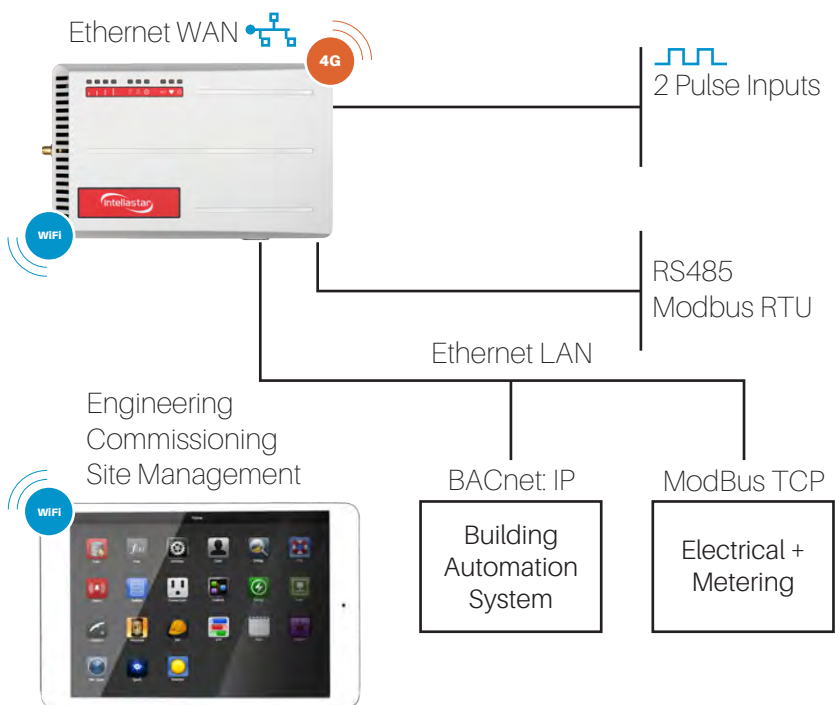
The T-Star 245 Tipify Platform is part of a comprehensive range of hardware, software, and connection services that enable Service Providers to deliver the benefits of the Internet of Things to Intelligent Buildings, Equipment, and Smart Devices.

Tipify provides Visualization of Data with Dashboards, Custom Reporting, and industry leading Analytics.

The Platform is used for many Applications including:

- Energy Monitoring and Analysis
- Building and Equipment Fault Detection and Diagnosis
- Smart Grid and Automatic Demand Response

Tipify incorporates Project Haystack for Data Modeling. Wi-Fi allows mobile devices to communicate with the T-Star 245 Platform for commissioning.



Software

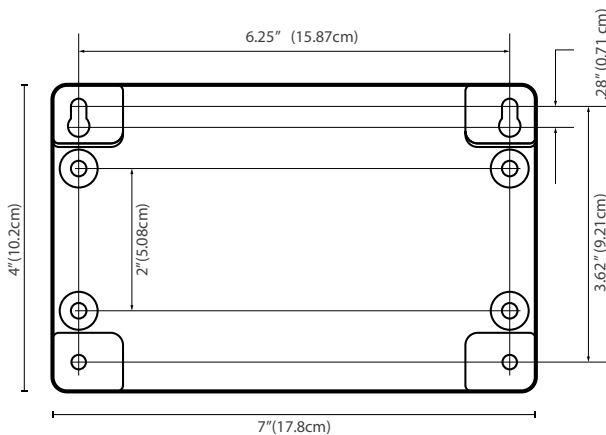
Tipify

- Tipify Application Environment
- Project Haystack modeling
- Serial communication for Modbus RTU IP protocols Modbus TCP, BACnet IP, oBIX, Haystack

Hardware

- TI ARM Cortex A8 Cortex processor @ 1 GHz
- 512 MB DDR3 RAM
- 32 GB Micro SD Flash
- Trusted Platform Module (TPM)
- 2 10/100 MBit Ethernet port
- Wi-Fi for data, WAN and user interface connectivity
- Two digital inputs for pulse counting up to 50Hz pulses at 50% duty cycle
- One RS-232 port: DB9 male connector
- One RS-485 port: 3 point terminal
- 4G modem class 1 for AT&T and Verizon
- Power— 15 volts DC
- Rechargeable internal battery backup
- Multiple Mounting Options—Desk, Wall, Enclosure
- Environmental—Operating range:
 - 0 to 50 Deg C (32 to 122 Deg F)
 - Humidity 0 to 90% RH non-condensing

Mounting Dimensions



- Molded plastic case, convection cooled
- Multiple mounting options—desk, wall, or in enclosure
- Net weight 1.0 pound (0.45 Kg)

Agency Listings

- UL-60950 or Met Labs equivalent
- FCC Part 15 Class B for electromagnetic Class C for modem
- RoHS compliant
- CE compliant

Ordering Information

Part Number	Description
245 - GM	4G Verizon modem
245 - GB	4G AT&T modem

