



## ENERGY MANAGER

### TP-EM-16 FEATURES

- Connect up to 16 meters
- Supports electricity, gas, water, heat, and cool meters
- BACnet, Modbus and MQTT communications
- Flexible daily, weekly, monthly, and quarterly, email reporting
- Supplied in pre-wired enclosure for simple installation.

The TP-EM-16 Energy Manager is designed to provide accurate energy usage insights for building owners, facility managers and building occupants to create a clear understanding of the energy use within the building.

The Energy Manager accepts up to 16 x BACnet or Modbus meters covering electricity, gas, water, heating and cooling, while pulsed, analogue or 4-20mA meters can be catered for by adding Titan IO-COM-EM8 input modules to the Energy Manager.

The Energy Manager collects the data from connected meters and exposes this via BACnet/IP for simple on-site BMS integration. Alternatively, a standalone energy monitoring solution can be created with remote IoT cloud integration via the MQTT communications. Intuitive usage reports can be configured to be emailed daily, weekly, monthly, quarterly, or annually for selected meters to a customisable mailing list. In addition, users can opt in to receive email alarms and notifications for subscribed meters.

## SPECIFICATION

|                                |   |
|--------------------------------|---|
| Power Supply                   | 85-264VAC (277 operational)<br>47-63Hz<br>0.48A nominal @230VAC<br>(Recommend supply from Switch fuse spur with 5A fuse fitted) |
| Supported Meter Types          | BACnet MS/TP<br>Modbus RTU<br>Pulsed (requires IO-COM-EM8)<br>0-10V (requires IO-COM-EM8)<br>4-20mA (requires IO-COM-EM8)       |
| Outgoing Communications        | BACnet/IP<br>MQTT   |
| Energy Manager Hub Connections | 2 x RJ45 10/100 Mbps shielded Fast-Ethernet Port<br>2 x serial port EIA-485 BACnet MS/TP / Modbus RTU                           |
| Operating Temperature          | 5 – 40°C  |
| Operating Humidity             | 10 – 80% RH Non-condensing  |
| Operating System               | Linux   |
| IP Rating                      | IP65  |
| Dimensions                     | 300 (w) x 400 (h) x 150 (d) mm.   |
| Weight                         | 7.05 KG   |
| Product Code                   | TP-EM-16  |



For further install and setup information please contact [technical@titanproducts.com](mailto:technical@titanproducts.com)