The **DTS wireless IOT Gateway** edge device provides a cost-effective, secure interface between the DTS family of AC and DC power and energy meters and Building Management Systems (BMS) as well as an intermediate IoT cloud interface.

It provides a “**No Cost Cloud Interface**” that enables remote monitoring, control and data visualization of your metering assets. Users can view real-time data of any connected DTS meter as well as download historical data. Additionally, cloud alarming via SMS or email is included.

A single DTS IoT Gateway can seamlessly connect one or many DTS power / energy meters into BMS systems using serial or Ethernet BACnet and Modbus protocols.

It has a unique ability to act as a Wi-Fi access point. Users can directly connect their mobile devices to the DTS IOT Gateway without having to be on the facility’s LAN or WAN to access the local web applications.

Each gateway is delivered pre-configured for immediate connection of the DTS power and energy meters. No additional programming or mapping is necessary.

### Features & Benefits

- Multiple connection points: 1 x Ethernet, 2 x RS-485, Wi-Fi
- Modbus and BACnet protocols simultaneously
- Pre-configured for the DTS family of AC & DC power and energy meters (**No Driver development required**)
- Supports up to 1500 device points (**up to 40 DTS meters**) per gateway.
- Data logged and buffered in the DTS IoT Gateway for up to 30 days (**avoids any data loss in the event of communication failure**)
- Data uploaded to the cloud every 10 minutes automatically.
- Remotely retrieve the data from the cloud in CSV or JSON file format at any time.
- Local BACnet/IP access to all DTS meters attached to the DTS IoT Gateway (**BTL Certified**)

### Easily connect any DTS sub-meter to the cloud

**SMC Cloud enables:**

- Device Management
- User Management
- Secure remote access
- Notifications
- RESTful API

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Benefits of the SMC Cloud

- Registering DTS IoT Gateways on SMC’s tenant based IOT Cloud platform effortlessly connects Measurlogic’s DTS energy sub-meters to the cloud.
- The SMC Cloud RESTful API allows device data to be available to 3rd party cloud platforms. The cloud platform has no firewall dependencies through HTTPS by utilizing TLS/SSL (Transport Layer Security/Secure Sockets Layer) to ensure data security - port 80 & 443.
- Remote access for diagnostics, monitoring, alarming and configuration of the DTS meters in the field (No driving to site required).
- **No annual subscription** until 2023 to connect DTS IoT Gateways to the SMC Cloud platform for up to 50 datapoints per minute per gateway and stored for a year.
- Data plans are available if more data points per minute per gateway are required.

Hardware Specifications *

**Communications**
- Serial (galvanic isolation) 1 x RS-485 / RS-232 & 1 x RS-485
- Baud rates 9600, 19200, 38400, 57600, 76800 & 115000
- Ethernet 10/100 Base T, MDIX, DHCP

**Environmental**
- Operating Temperature -20 to 70 °C (-4 to 158°F)
- Relative Humidity 10-95% RH non-condensing

**Other**
- Web configuration, on-board diagnostics, DIN rail mount included

**Construction**
- Dimensions (H x W x D) 4 x 1.1 x 2.7 in (101.6 x 28 x 68 mm)
- Weight 0.4 lbs (0.2kg)

**Power Requirements**
- Input 24Vac 125mA or 12 – 24Vdc 250mA @ 12Vdc
- Max Power 3W

**Approvals**
- CE and FCC Class B & C Part 15 BTL Marked
- UL 60950-1 and CA/CSA C22.2 IC Canada
- RoHS and WEEE compliant PTCRB and CTIA

**Radio Specifications **

**Wi-Fi 802.11 b/g/n**
- Frequency 2.4GHz
- Channels 1 to 11 (inclusive)
- Antenna Type SMA
- Encryption TKIP, WPA & AES

**Bluetooth**
- Bluetooth 3.0 & HS Standard pairing
- Bluetooth class 1 & 2

**Ordering Information**

**CCOM-0024** FPA-W44-1837 For DTS Meters, 2 x serial ports, 1 x ethernet port incl. Wi-Fi Antenna

* Specifications subject to change without notice