MICROSTAR

EDAT-MS16

Energy Data Acquisition Terminal

FEATURES

- Collects & aggregates meter data: Electricity, Gas & Water
- Supports RS485/PLC <127 meters, LoRa RF <100 meters in one AMI network. Pulse adaptors also supported (RS485 & LoRa)
- 3G, 4G, Fibre, Wi-Fi, or Ethernet for up-link communication (WAN)
- RS485, LoRa RF or PLC for local communications (LAN)
- Scheduled or on-demand data acquisition with configurable channels
- Push data as standard to TMR System as per setable schedule
- Supports meters with DLMS, IEC62056-21, IEC870-5-102 and Modbus protocols. Can also support EDMI meters using CommandLine
- Short message service (SMS) alarms in real-time

APPLICATION

- Provides AMI solution for both Residential and Commercial sites
- Integrate existing non-smart meters with use of Pulse Adaptor
- Support third-party meters from other vendors

TECHNICAL SPECIFICATIONS

External Dimensions	180mm x 163mm x 64mm
Operation Voltage	85 - 265 VAC, 50/60 Hz
Power Supply	Three Phase or Single Phase
Power Consumption	≤ 5W
Operation Temperature	-25 °C ~ +70 °C
Memory Storage	4 MBytes to 16 MBytes
Ingress Protection	IP54
Input & Output	2 channel input for tampering detection, 1 channel output for control signals
LAN Communications	RS485, LoRa RF and PLC
WAN Communications	3G or 4G or Fibre or Wi-Fi including Ethernet

BENEFITS

- Reduce communication costs for bulk metering applications
- Convert different protocols into one to reduce system complexity
- Large storage capacity to avoid data loss due to power outage
- Compact design with superior strength and easy to install
- Sealing provision and anti-tamper input signals for device security
- 4 x RJ-45 sockets for multiple plug-and-play meter connections

SAMPLE APPLICATION

HQ Data Center

Internet / APN

Metering Site

EDAT with built-in Ethernet, Wi-Fi or GSM module

Connect meters and Pulse Adaptors

TMR-2012 AMI System