TECO Group
TECOM Co., LTD.

AG-800 IIoT Gateway

AG-800 IIoT Gateway is one of the main components of Tecom's Smart Motor UPI System. It connects to the VB-800ML Wireless Vibration Temperature Sensor to obtain the three-axis Velocity & Acceleration RMS value, Velocity & Acceleration FFT, Raw Data and single-point temperature value of device vibration at regular intervals. It is suitable for measuring temperature and vibration of electromechanical equipment such as motors, air compressors and pumps. It allows you to easily manage your electromechanical equipment, grasp the health status of your electromechanical equipment, and prevent losses caused by catastrophic shutdowns. It is easy to install. After installing the VB-800ML sensor on the electromechanical equipment, the status of the electromechanical equipment can be directly connected to a smartphone through the network. Providing the owner with a powerful IIoT real-time push notification and always connection. It also provides two-way & interactive Mobile Maintenance (MM) function. When work with Tecom's Machine Health and Electricity Waste Management Platform (MHEW) it can also provide electromechanical equipment operation information, alarms, trends, diagnosis, preventive maintenance, electricity usage records. Equipment Parameter setting, designated notification and other functions will be provided as well.

Key Features

Network Connection
- New or existing electromechanical equipment can be upgraded to IoT Industry 4.0
- Smartphone APP available

Real-time Status
- Real-time report the temperature and vibration status of important components in the electromechanical equipment.
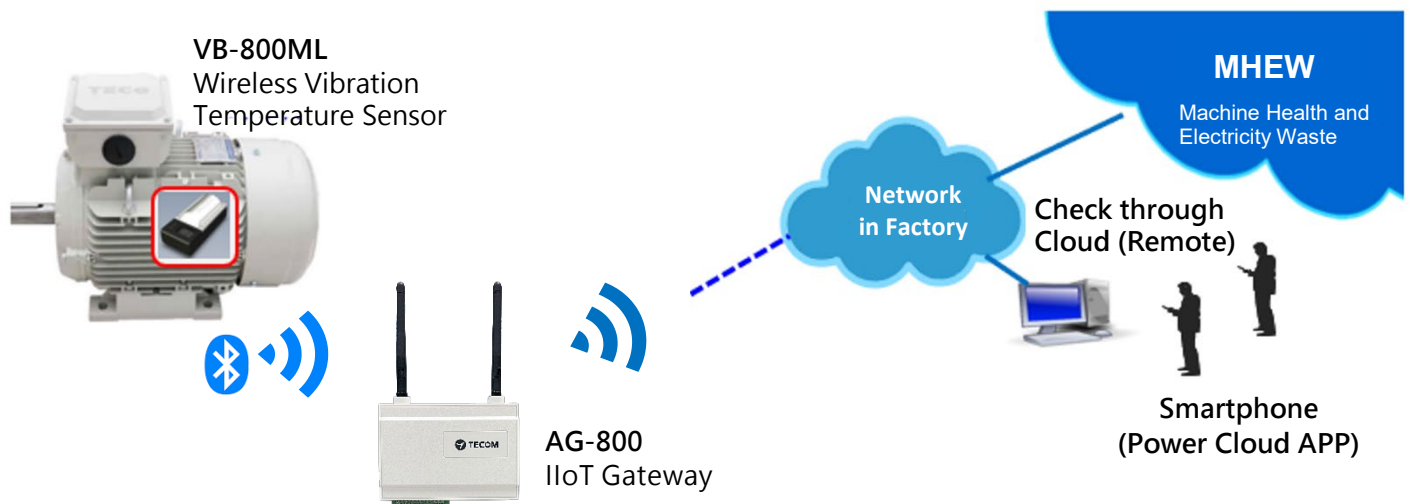
Alarm
- When the operating value exceeds the upper limit, an alarm notification will be issued immediately.

AG-800 IIoT Gateway

Appearance

Application Diagram

VB-800ML
Wireless Vibration
Temperature Sensor

MHEW
Machine Health and
Electricity Waste

Network in Factory

Check through
Cloud (Remote)

Smartphone
(Power Cloud APP)

AG-800
IIoT Gateway

4G / 5G / WiFi / Ethernet : Upload Measured Data

Product Specification

- Power Input : 12V DC, DC Jack

- Operation Temperature : -10 ~ 50℃

- Communication I/F : RS485 x 2,
  MODBUS Protocol

- Network I/F : Ethernet Port
  (1 x 10/100 WAN, 1 x 10/100 LAN)

- Wi-Fi : 802.11n, 2T2R

- Bluetooth : BLE 5.0

- USB Port : 1

- Reset Button : 1

- Input & Output I/F : 2 DI & 1 DO

- Dimension : 130 * 90 * 35 mm

TECO Group