



Features

- ✚ A build-in RJ-45 Connector
- ✚ Support DHCP or static IP
- ✚ Automatic deliver electricity information to server every 1 min
- ✚ Clip-on current transformers (CT), easy to setup
- ✚ Data server receive data with API
- ✚ Monitoring more power meters at the same time.

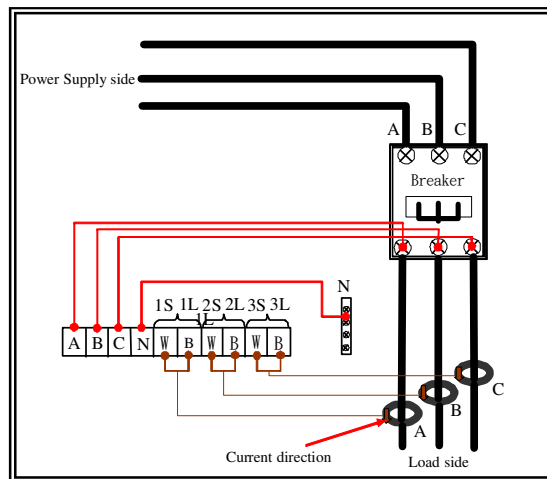
Communication Interface

- ASENs-910-N : Ethernet interface
- ASENs-910-S : RS-485 interface
- ASENs-910-W : Zigbee interface

Specification

- (1) Standards and approvals
CE conformity: ISO/IEC 17025
- (2) Operating environment
 - (a) Operating frequency : 45~65 Hz
 - (b) Operating temperature : - 5 ~ 50°C
 - (c) Operating humidity : 30~85 % RH
- (3) Electricity Specification
 - (a) Parameter and accuracy
 - Signal/Three- phase ampere, accuracy 1%
 - Signal/Three-phase voltage, accuracy 1%
 - Effective power, accuracy 1%
 - Ineffective power, accuracy 1%
 - Apparent power meter, accuracy 1%
 - Power factor,
 - Demand
 - Frequency
 - Active energy, accuracy 1%
 - Reactive energy, accuracy 1%
 - (b) Power input ratings
 - Rated current : 1A or 5A
 - Rated voltage : 0~480 VAC
 - ACV:100~240V (-15%~+10%)
 - DCV:100~240V (-30%~+10%)
- (4) Communication characteristics and protocols
 - (a) RS-485 interface : Modbus protocol
Baud rate :19200 bps
 - (b) RJ-45 interface : TCP or UDP
- (5) Hardware
 - CPU : ARM Cortex-M3 32-bit CPU, 50 MHz
 - RAM : 64K bytes SRAM
 - ROM : 256K bytes Flash ROM

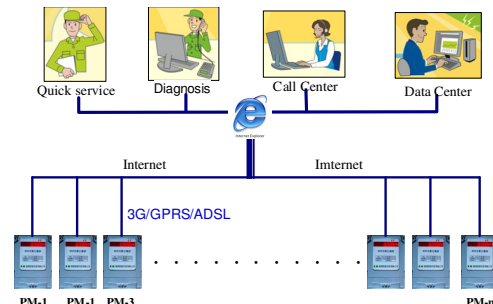
(6) Installation Diagram



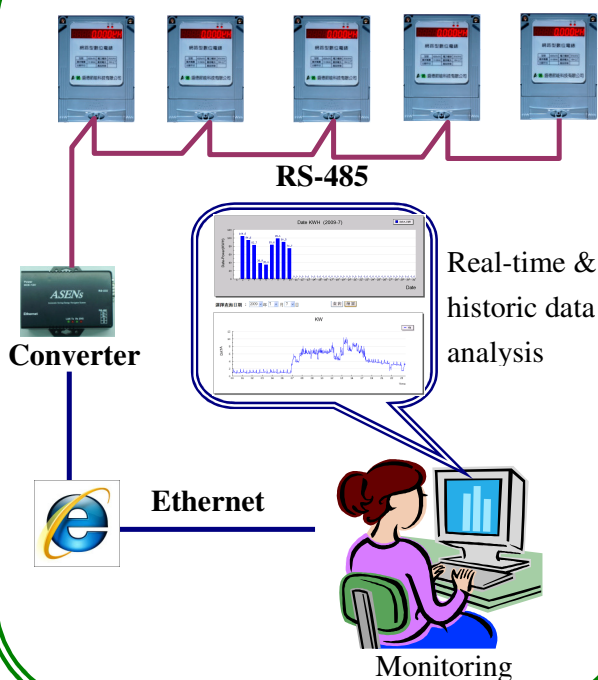
(7) Current Transformer



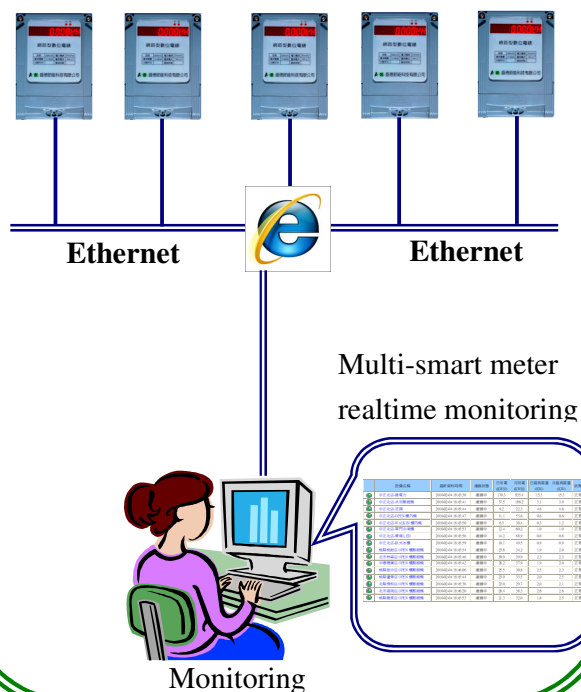
(8) Application Diagram



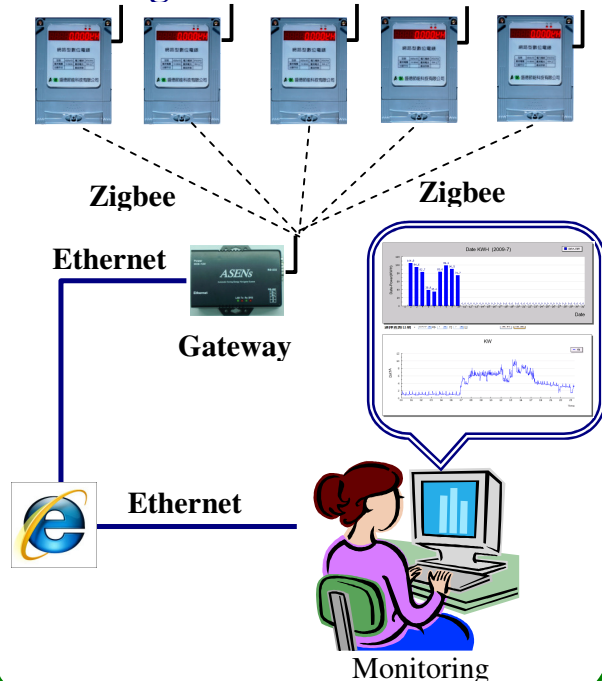
RS-485 Power Meter



Ethernet Power Meter



Zigbee Power Meter



Seamless Power Meter

