



Ideas for automation

System overview

Energy Monitoring

For a quick overview of all performance data. Easy operation and configuration via web server.

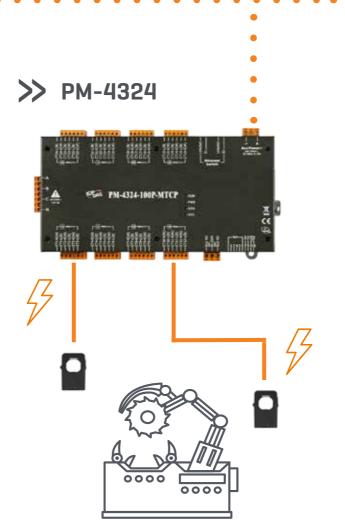
- ✓ Monitor energy consumption
- ✓ Identify main consumers
- ✓ Data Analysis & Reports
- ✓ Reduce peak loads
- ✓ Optimize failures & maintenance

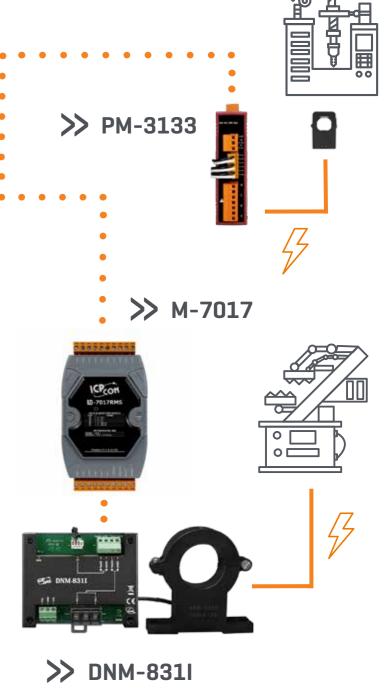






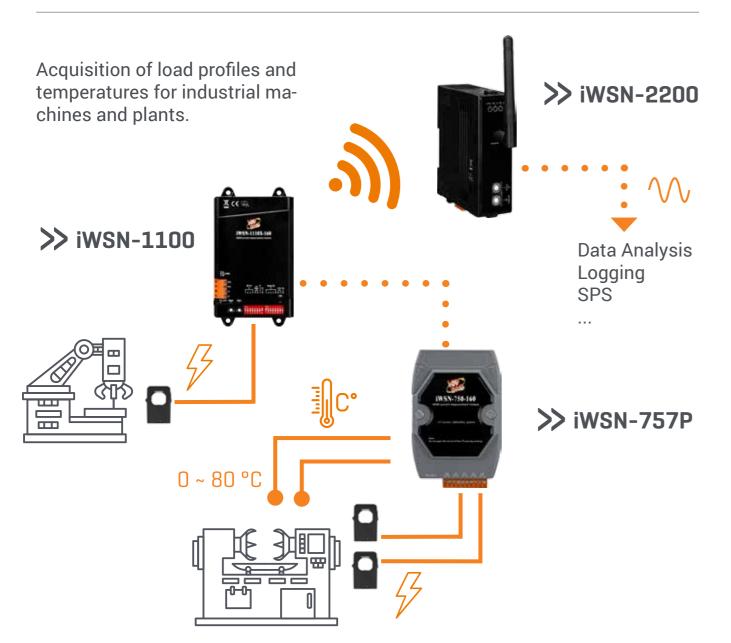






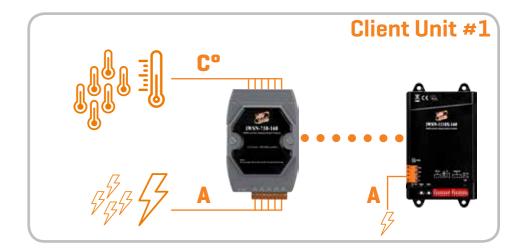
System overview

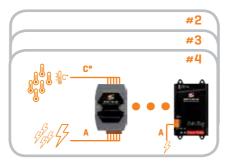
Wireless Energy Monitoring





The system can be expanded to up to 31 client units. Per unit up to 7 temperature and 6 current measurements are possible.

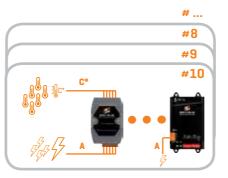


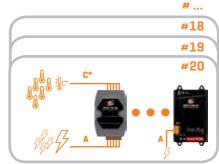


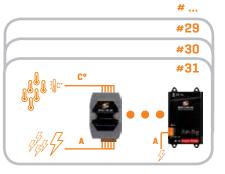




The signals from the client units are transmitted wireless to the Wireless Concentrator.







PMC und PMD Series

Energy Monitoring System





- simple operation via browser
- IF-THEN-ELSE Logic Editor
- Logging
- Monitoring & Analysis



The logged data can be visualized and analyzed via the web interface of the devices. Charts for real-time or historical evaluations are available for this purpose. With just a few clicks and without programming, all settings can be configured on the touch panel or via web server. This also includes the IF-THEN-ELSE engine, which is used to implement smaller control tasks directly on the data logger. Protocols such as ModbusTCP/RTU, SNMP, FTP and MQTT are supported for seamless integration into higher-level management systems.



- 7" or 10.4" LCD Touch
- simple operation via browser

energy data logger with display

- IF-THEN-ELSE Logic Editor
- Logging
- Monitoring & Analysis

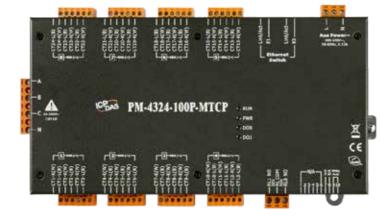






PM-3000 energy meter

- 1-phase and 3-phases measurements
- RS-485, Ethernet und CANopen
- Measuring ranges from 60A to 2000A





- 24 1-phase or eight 3-phases measurements
- RS-485, Ethernet und CANopen
- Measurements from 60A to 2000A



PM Series Intelligent energy meters

For reliable measurement and continuous monitoring of electrical parameters in real time, ICPDAS-EUROPE offers the intelligent energy meters of the PM series. Measuring ranges from 60A to 2000A allow the user a wide range of applications. Cable conversion transformers or Rogowski coils are optionally included in the scope of delivery, which simplify retrofitting installations in particular.



- 3-phases measurements
- RS-485, ModbusRTU
- Measuring ranges from 60A to 400A



DNM Series

Intelligent energy meters

In many applications it is necessary to measure direct current, alternating current and voltage at the same time. The goal is effective monitoring and control of downstream processes. Examples can be found in the areas of material handling, e-mobility or renewable energies. With the DNM-831I-100V series ICPDAS-EUROPE has developed an ideal solution for this purpose.



DNM-831I-100V voltage attenuator current transformer



- 1x Current input (±2000A)
- 1x Voltage input (±100 VDC)
- 3000 VDC Isolation
- 4 kV ESD-Protection
- 3 kV Overvoltage protection



ulBX SeriesData archiving







- Microsoft® Windows 10
- PMC Dataserver Software
- MS SQL, MySQL, MariaDB, MS Access



iWSN-2200 wireless concentrator

- 433 MHz
- 16 RF Channels





iWSN-1100 self powered wireless power meter

- wireless data transmission
- magnetic mounting
- 1x Power
- no external power supply necessary







iWSN Product series

Wireless Energy Monitoring





iWSN-757P self powered power meter

- optional extension module
- magnetic mounting
- 7x temperature
- 5x power
- No external energy supply necessary



Accessories

Cable conversion transformer



Cable conversion transformers in various designs for reliable current measurements. Due to the easy installation, the SCT series is also particularly suitable for retrofitting installations.

Accessories

Rogowski signal amplifiers and coils



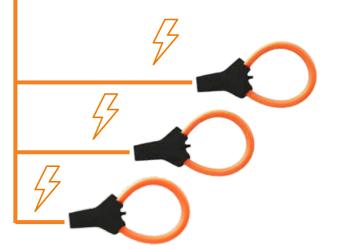
- 333mV Voltage output
- high measuring accuracy
- low power consumption



- 10mm for up to 50A
- 16mm for up to 200A
- 24mm for up to 300A
- 36mm for up to 600A



- 1000A
- 36mm diameter
- 6mm coil cross section
- compact design
- simple installation





Ideas for automation

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