

IOT PACKAGE FOR POWER METER

SKU: IOTPK-PWM



IoT solution package for power meter is a comprehensive solution (hardware and software) which applies IoT technology to monitor electrical energy. The IoT package could be expanded to manage other type of energy such as water, steam, compressed-air, fuel, industrial gas, and refrigerant gas. This IoT package is applied for:

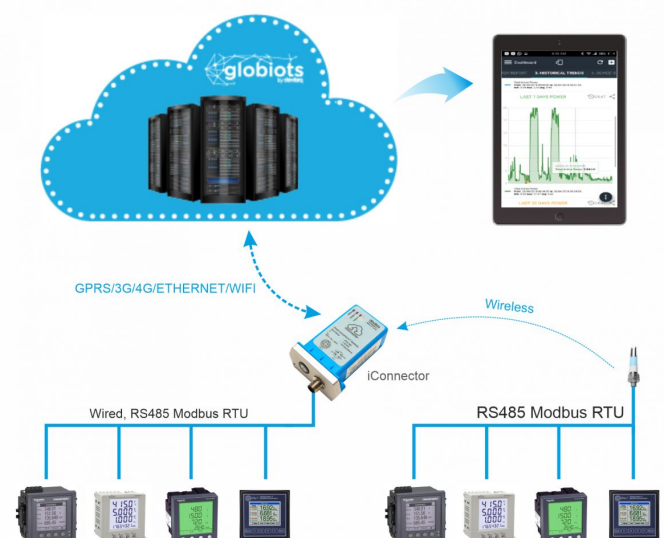
- Factory, Warehouse, Machine;
- Commercial building, Residential building;
- Hospital - Clinic, Data center - Server room;
- BTS station, Retail stores – Supermarket;
- Electric grid, Solar farm - Rooftop solar;
- Cold storage, Plant farm, Greenhouse, Ship.

This package results in following benefits to end user:

- Monitor energy anywhere, anytime;
- Calculate exactly specific energy;
- Facilitate to energy saving;
- Reduce production downtime;
- Assist to obtain ISO50001 certificate;
- Promote company brand.

- ✓ **VARIOUS POWER METER TYPE MONITORING**
Different power meter types from any manufacturer are integrated in one system
- ✓ **EASY UPGRADE AND EXPANSION**
The system could be upgraded functions, reports and expanded monitoring scope
- ✓ **QUICK SYSTEM DEPLOYMENT**
The deployment is implemented through two simple steps and does not require high-skilled technician, even customer could deploy by themselves
- ✓ **INVESTMENT OPTIMIZATION**
The solution packages are designed to optimize cost and suitable for monitoring from few to large number of power meters
- ✓ **OPTIMIZED SOFTWARE**
Software interfaces are friendly, easy to use, customized, scalable, and expandable

IoT SYSTEM DIAGRAM



IOTPK-PWM-EN-H2.PNG

DAI VIET CONTROLS & INSTRUMENTATION COMPANY LTD.

No.11 Street 2G, Nam Hung Vuong Res., An Lac Ward, Binh Tan Dist., Ho Chi Minh City, Vietnam

+84.28.6268.2523 / 6268.2524

info@daviteq.vn

www.daviteq.vn

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| Doc No: IOTPK-PWM-DS-EN-10

SPECIFICATION

HARDWARE	
Power meter	Electronic power meter, panel-mounted, with RS485 Modbus RTU port, include 3 current transformers max 300A
iConnector IoT gateway	For more details, please refer to SKU number is STHC
Cloud Server	Daviteq's cloud server is suitable for monitoring from some parameters to some thousand parameters, operated and maintained by Daviteq's IoT system specialists, backup operation with high reliability. Daviteq offers cloud server as a yearly service.
SOFTWARE	
IoT Globiots software system	Collect and analyze data, visualize dashboard and report, notify alarm and event. Configure remotely system, iConnector, parameter, event, alarm, dashboard, report, and user authority. Send alarm, event by email. Push data to third-party software/application using API. Basic reports as below: <ol style="list-style-type: none"> 1. Current electrical energy report 2. Historical trend for electrical energy during selected period 3. Energy consumption report during selected date, week, month, and date to date 4. Energy allocation report during selected date, week, month

POWER METER AND CURRENT TRANSFORMER



Power meter



Current transformer

IOTPK-PWM-EN-H3.PNG

IoT GATEWAY - iCONNECTOR



CELLULAR VERSION



ETHERNET VERSION



WIFI VERSION

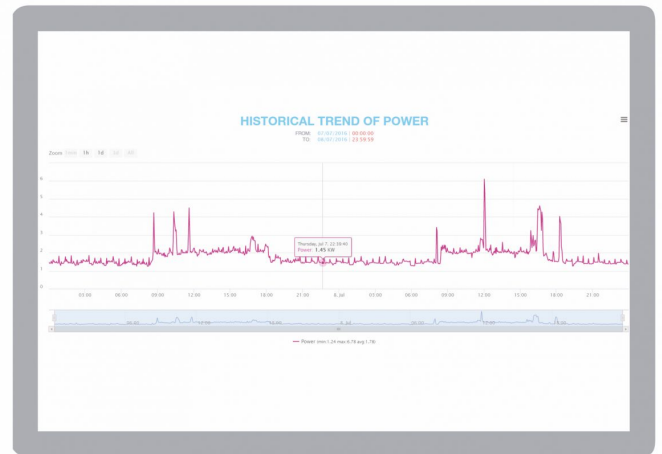
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CURRENT ENERGY STATUS REPORT



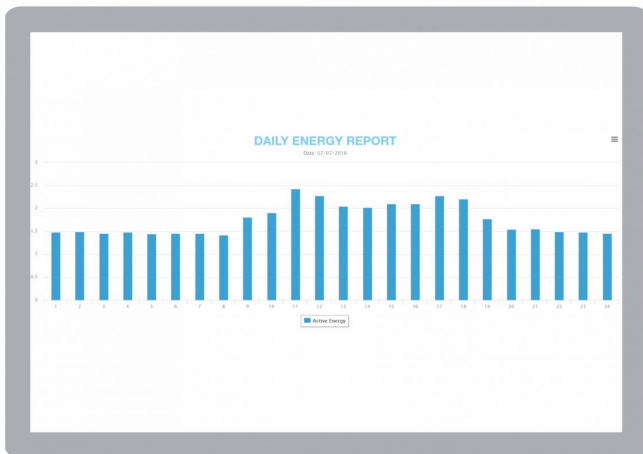
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ENERGY HISTORICAL TREND REPORT



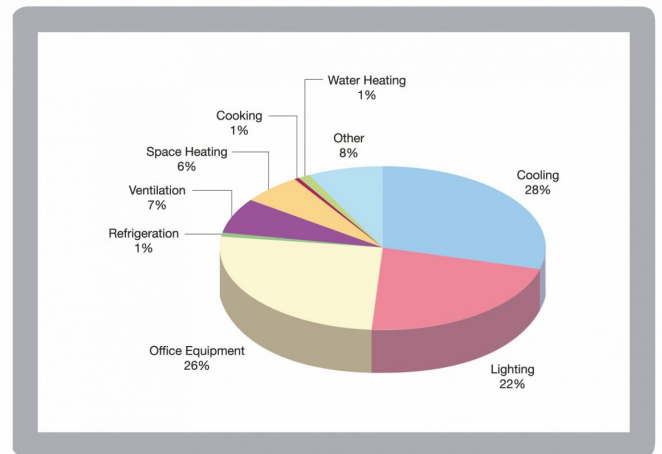
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ENERGY CONSUMPTION, ENERGY COST AND SPECIFIC ENERGY REPORT



IOTPK-PWM-EN-H7.PNG

ENERGY ALLOCATION REPORT



IOTPK-PWM-EN-H8.PNG

ORDERING INFORMATION

ITEM CODE	DESCRIPTION
IOTPK-PWM-01	IoT package for power meter, 3 x panel-mounted power meter + current transformer 300A, 1 x 3G iConnector, 01 year subscription for cloudGlobs 25-parameter, NO SIM card
IOTPK-PWM-02	IoT package for power meter, 3 x panel-mounted power meter + current transformer 300A, 1 x Wifi iConnector, 01 year subscription for cloudGlobs 25-parameter
IOTPK-PWM-03	IoT package for power meter, 3 x panel-mounted power meter + current transformer 300A, 1 x Ethernet iConnector, 01 year subscription for cloudGlobs 25-parameter
IOTPK-PWM-04	IoT package for power meter, 1 x 3G iConnector, 01 year subscription for cloudGlobs 25-parameter, NO SIM card
IOTPK-PWM-05	IoT package for power meter, 1 x Wifi iConnector, 01 year subscription for cloudGlobs 25-parameter
IOTPK-PWM-06	IoT package for power meter, 1 x Ethernet iConnector, 01 year subscription for cloudGlobs 25-parameter

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