OpreX™ Measurement

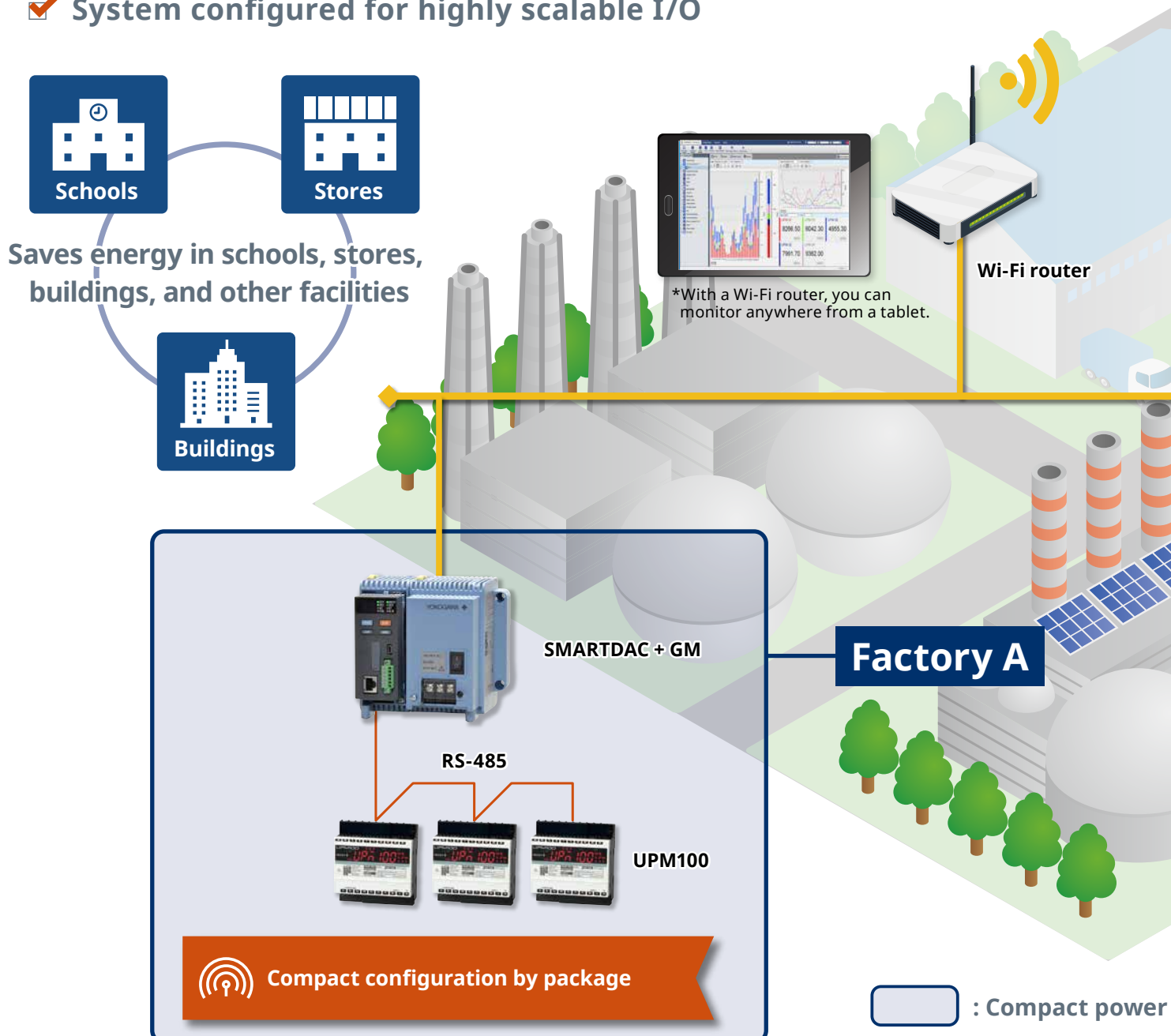# Power monitoring package
SMARTDAC+ GM / UPM100

"Yokogawa's easy to install

The power monitoring package is an energy saving data acquisition system for monitoring that comprises the GM Data Acquisition System and the UPM100 Power Monitor. The package enables visualization (graphical) of power usage in factories, reports, and other features that help you identify areas of wasted power.

Features

☑ **Simple wizard-based system configuration**

☑ **Compact configuration by package**

☑ **Monitoring from anywhere via the web**

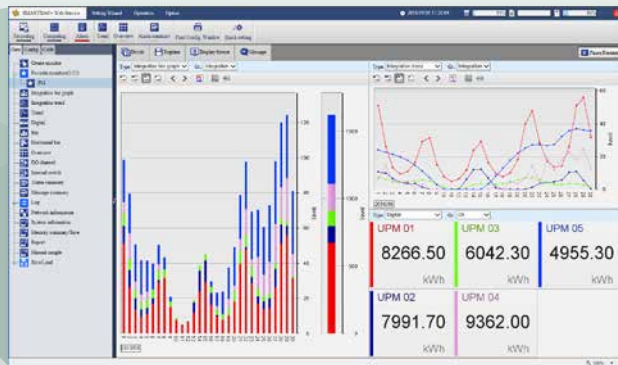☑ **System configured for highly scalable I/O**

Schools

Stores

Saves energy in schools, stores, buildings, and other facilities

Buildings

*With a Wi-Fi router, you can monitor anywhere from a tablet.

Wi-Fi router

SMARTDAC + GM

Factory A

RS-485

UPM100

Compact configuration by package

: Compact power

Power monitoring package

solution saves energy ”

Office

PC

UPM D1	UPM 03	UPM 05
8266.50	6042.30	4955.30
kWh	kWh	kWh

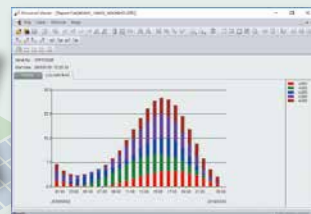| UPM 02	UPM 04
7991.70	9362.00
kWh	kWh

On Universal Viewer, you can create hourly and daily reports of integral values of watt hours.

*Max. measurable points with SMARTDAC + 1 GM: 30 units

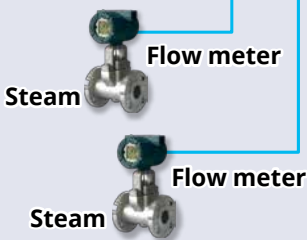**Sets up easily with the wizard-based Hardware Configurator.**

Ethernet

Factory B

SMARTDAC + GM

Flow meter

Steam

RS-485

Flow meter

Steam

UPM100

Electric energy

*Flow meters not included

System configuration offers highly scalable I/O

monitoring package

Power monitoring package

Model code selection tool

1. On the web
Download the model code selection tool (Excel file) from our website.

http://www.yokogawa.com/ns/upm100pkg/

2. Select Mode and Suffix Code
Enter the phase/wire format, rated voltage, primary side current, and options for display/pulse output, and then determine the format of the model to purchase and the number of units.

Model code selection tool (Excel) ▶

Package contents

GM Data Acquisition

GM10, 1 unit (Required option codes /MT, /MC, /WH [2, 3])

GM10 power supply (Model: GM90PS), 1 unit [1]
(Required option codes /WH)

GM10 module base
(Model: GM90MB), 1 unit

GM10, power supply,
and module base combined.

Please specify GM model code depending on the number of UPM100 to be connected and computation function to be used such as demand calculation.

Model	Connected number of UPM100 (units)	Calculation
GM10-1 (Standard type)	1 to 20	Not expandable
GM10-2 (Large memory type)	1 to 30	Use demand calculation etc.

Note: The power monitoring package does not conform to the safety standards (UL and CSA) and CE marking

Power monitors

UPM100 [4]

Clamp-on Current Transformers

CTW15 / CTW35 / CTW10 / CTW20 /CTW100 / CTW130 [4]

1. Specify 100–240 VAC, 12–28 VAC.
2. Option code /WH cannot be combined with option code /AS.
3. If specifying option code /WH, the display language of the web application can only be English, Japanese, or Korean.
4. Required number of units specified by model code selection tool.

Related products

VJET
Ethernet/RS-485 converter

ML2
RS-232C/RS-485 converter

Synaptic Business Automation creates sustainable value by connecting everything in our customers' organization. To realize this, Yokogawa integrates its business and domain knowledge with digital automation technologies, and co-innovates with customers to drive their business process transformation.

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