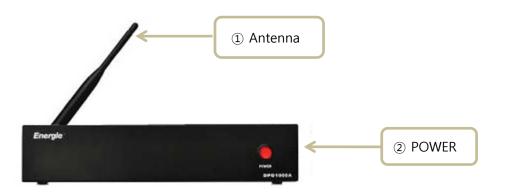
Smart Gateway DPG1000A

1. Summary

- Control & Monitoring smart-meters by Zigbee or RS485
- Supports oBIX (Open Building Information Exchange)
- Converting various protocol(DLMS, Modbus, Zigbee, etc...)to standard XML(oBIX)
- Supports international standards such as Modbus, BACnet, DLMS, Zigbee,RS485

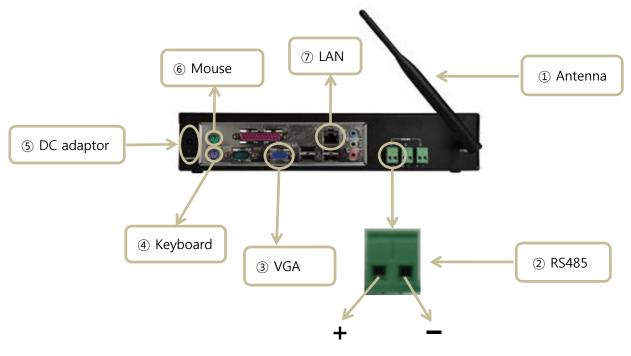
2. Description



< Pic. 1 > Front view

① Antenna : External antenna for Zigbee communication

② Power: Power On / Off button



< Pic. 2 > Rear view

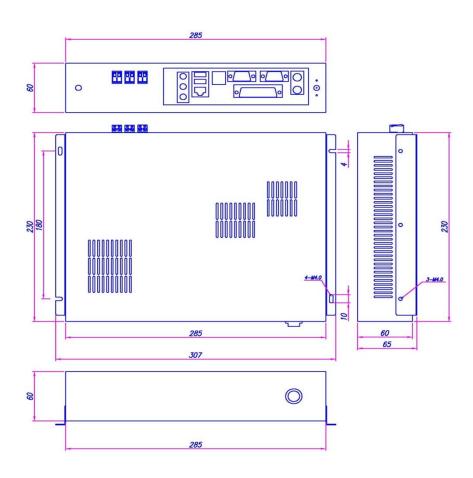
① Antenna: External antenna for Zigbee communication

② RS485 : RS485 port ③ VGA: VGA port

4 Keyboard : PS2 keyboard
5 DC adaptor : DC adaptor, 12V DC / 5A
6 Mouse : PS2 mouse

7 LAN: RJ-45 Ethernet Port

3. Dimension



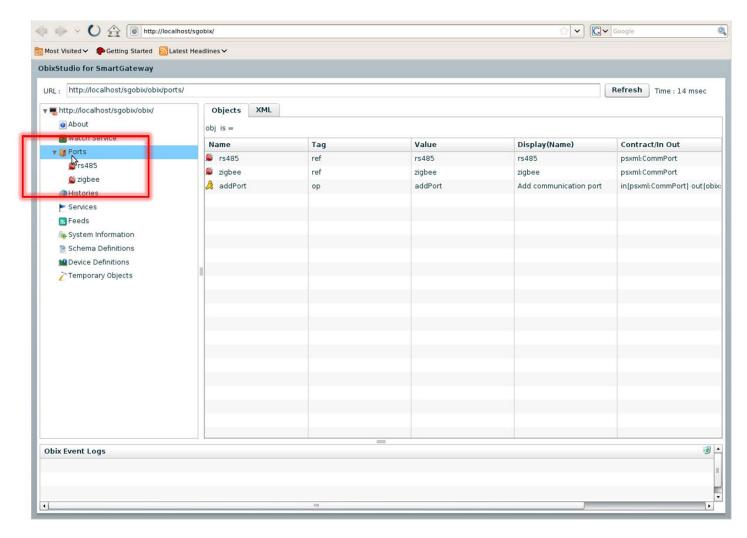
4. Product specifications

Category	Details
Model number	- DPG1000A
Main processor	- Intel Atom single core 1.60Ghz (512Kb cache)
Communication	- Zigbee / RS485 / RS232
Power rating	- DC 12V / 5A adaptor
Features	 Remote Monitoring by Zigbee wireless & RS485 Power On/Off remote control Monitoring Energy(kWh), Instantaneous power(W), Voltage(V), Current(A), Power factor(%), etc

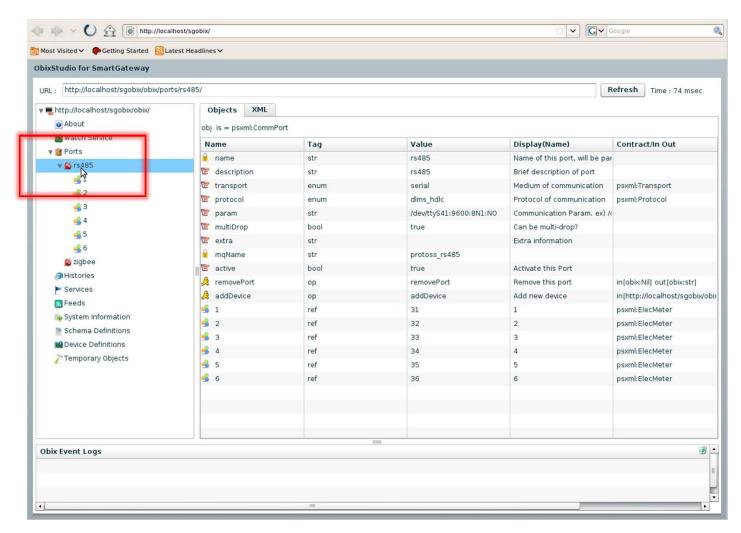
5. Software usage

- $\ensuremath{\textcircled{1}}$ Boot the device by pushing the power botton.
- ② Run a Firefox web-browser
- 3 Monitor smart meters as below sequence.

(RS485 Smart meter) Ports (double click)

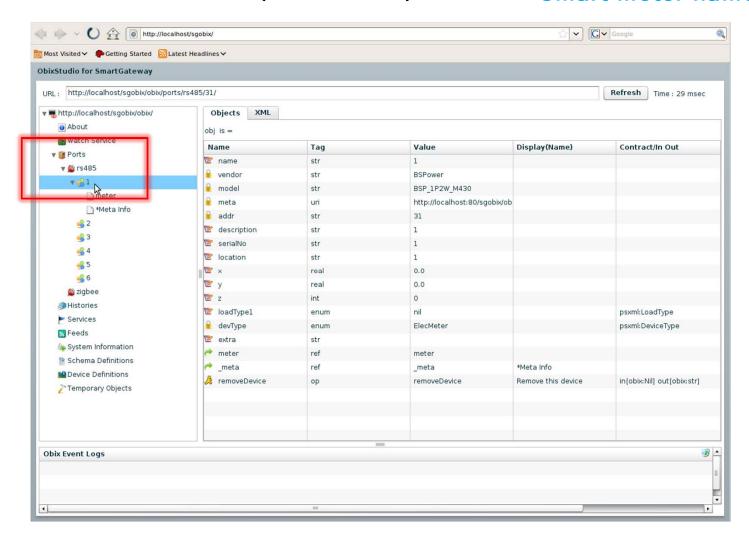


[RS485 Smart meter] Ports->rs485 (double click)

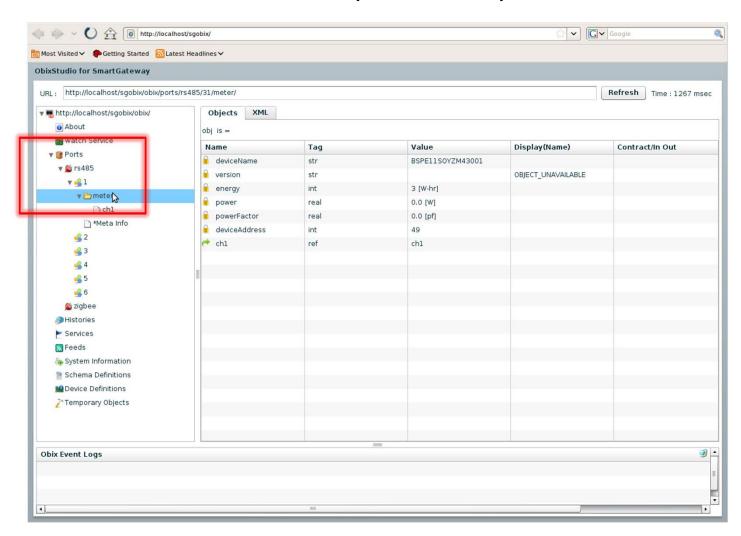


[RS485 Smart meter] Ports->rs485->1 (double click)

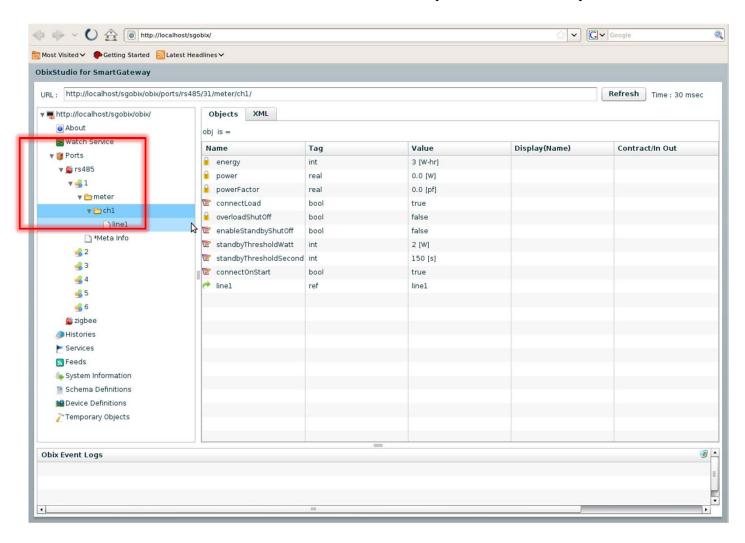
Smart meter name: 1



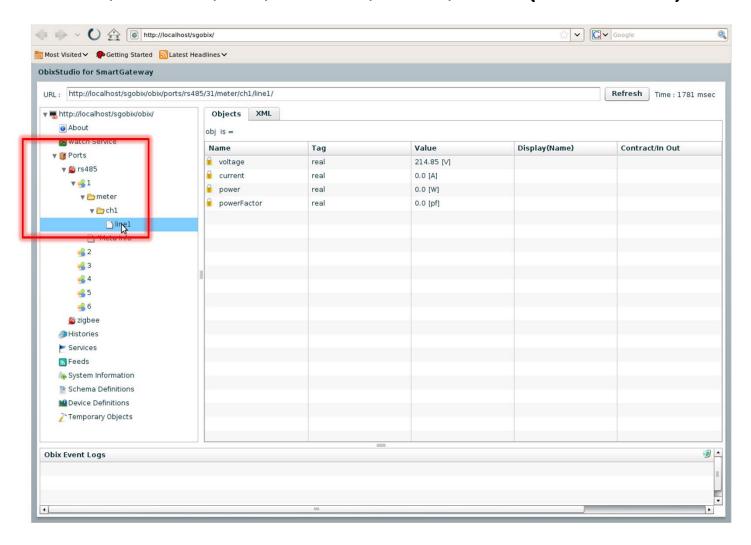
[RS485 Smart meter] Ports->rs485->1->meter (double click)



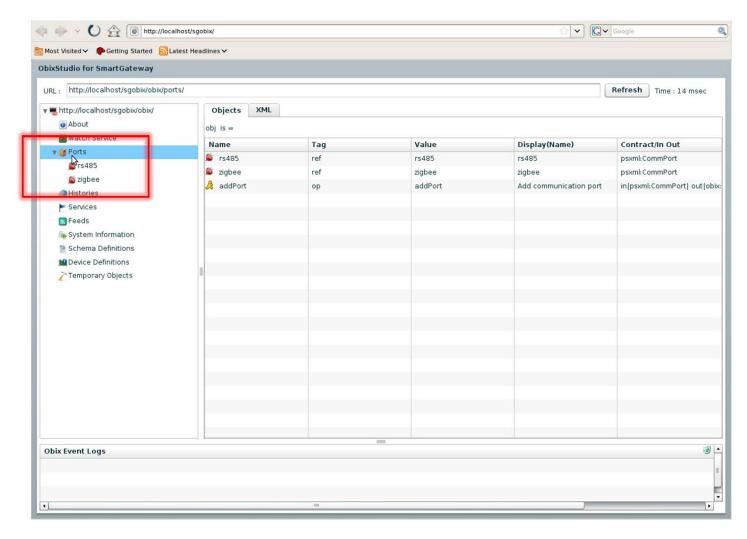
[RS485 Smart meter] Ports->rs485->1->meter->ch1 (double click)



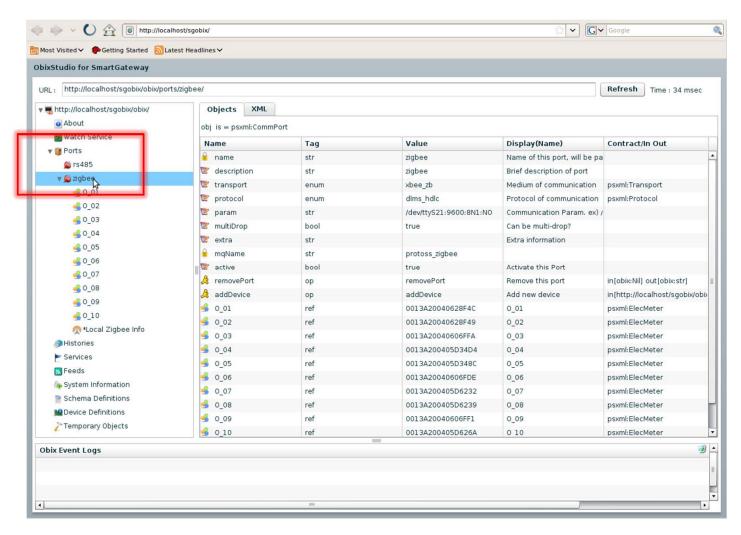
[RS485 Smart meter] Ports->rs485->1->meter->ch1->line1 (double click)



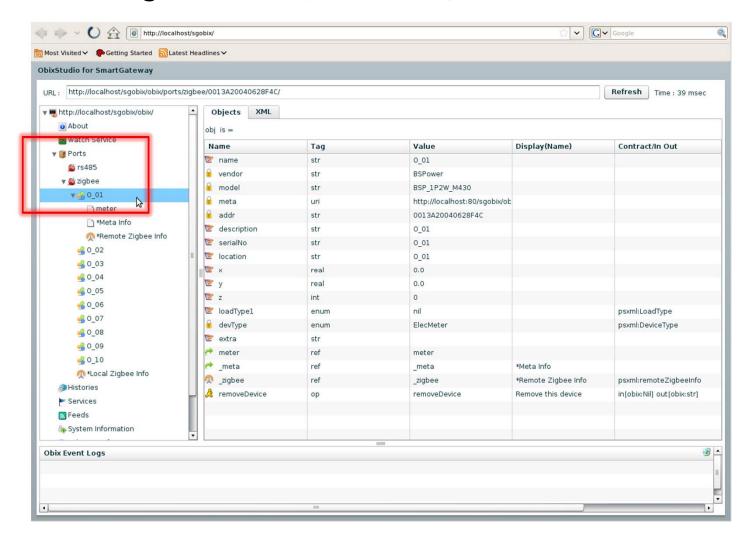
[ZIGBEE Smart meter] Ports (double click)



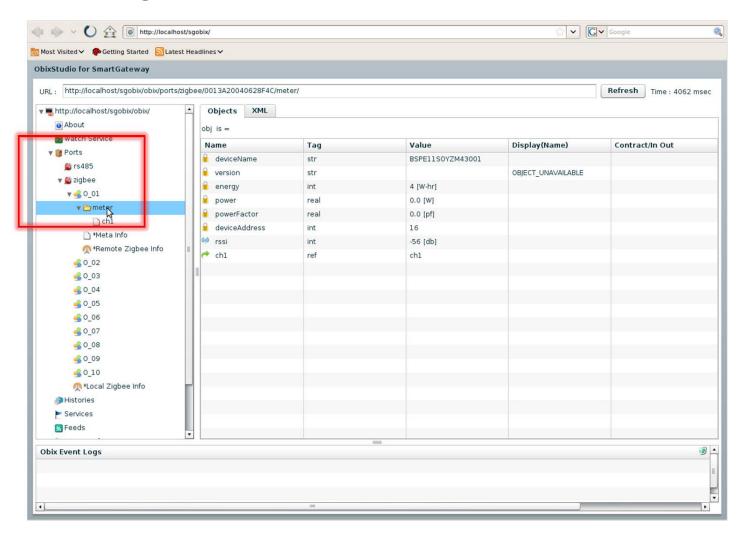
(ZIGBEE Smart meter) Ports->zigbee (double click)



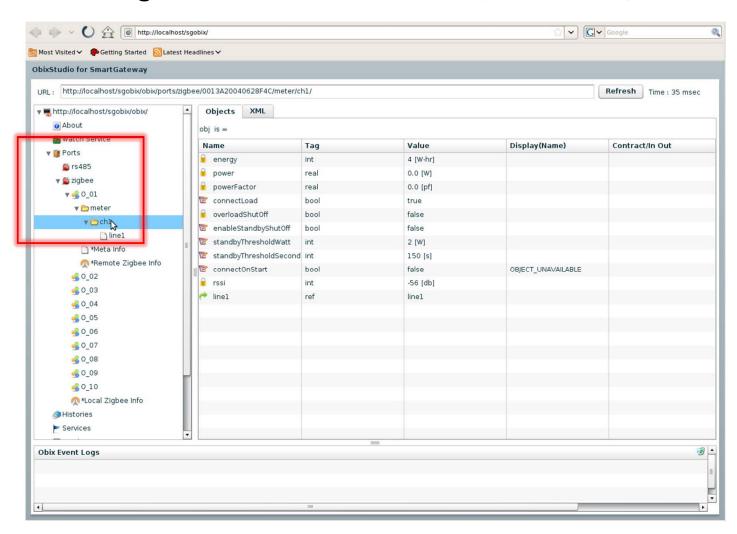
[ZIGBEE Smart meter] Ports->zigbee->0_01 (double click) Smart meter name: 0_01



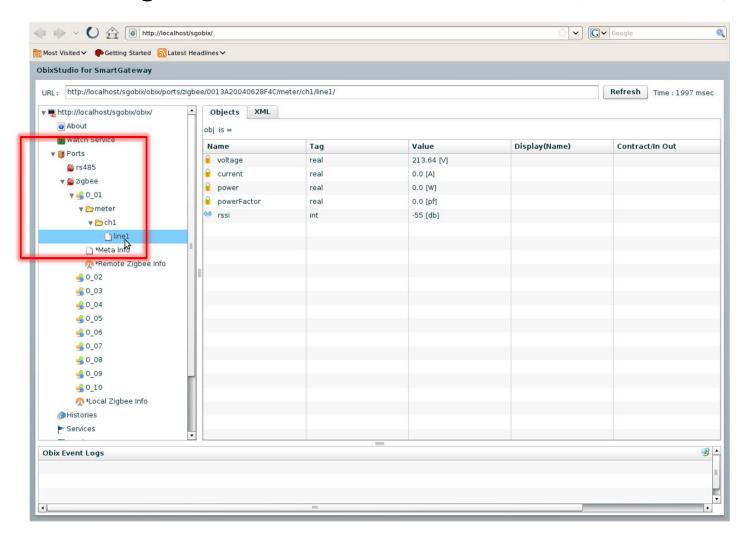
[ZIGBEE Smart meter] Ports->zigbee->0_01->meter (double click)



[ZIGBEE Smart meter] Ports->zigbee->0_01->meter->ch1 (double click)



[ZIGBEE Smart meter] Ports->zigbee->0_01->meter->ch1->line1 (double click)



- This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
- Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
 - Reorient or relocate the receiving antenna.
 - Increase the separation between the equipment and receiver.
 - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
 - Consult the dealer or an experienced radio/TV technician for help.

Change or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment under FCC rules.

• The antenna used for this transmitter must be installed to provide a separation distance of at least 20cm from all persons.