Features

- Connection to an external metrology board
- Microcontroller to implement the bridge function allowing fast data acquisition with local buffering
- Galvanic insulation between the metrology board connector and the microcontroller
- USB connectivity
- RoHS compliant

Description

The STEVAL-IPE023V1 is a USB interface tool that can be used to interface boards related to the STPMxx family of energy meter ICs.

The STEVAL-IPE023V1 works as a USB bridge between energy meter boards and a PC running the appropriate GUI application to manage the specific IC.
1 Schematic diagrams

Figure 1. TOP
Figure 2. STM32F103
Figure 3. STPMxx connections

Figure 4. USB and power supply
## Revision history

Table 1. Document revision history

<table>
<thead>
<tr>
<th>Date</th>
<th>Revision</th>
<th>Changes</th>
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<tbody>
<tr>
<td>07-May-2013</td>
<td>2</td>
<td>First public release.</td>
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