Sequans® STMod+ cellular modem expansion board

Features

- Sequans® GM01Q worldwide cellular modem module
  - LTE Cat M1 and Cat NB1
  - 300 kbps downlink, 375 kbps uplink
  - Switchable interface: SIM, eSIM, and MicroSIM
- Compatible with the STMod+ connector
- SMA connector (antenna included in the kit) for frequencies from 700 MHz to 2100 MHz
- Easy modem firmware upgrade through the dedicated Micro-B USB connector

Description

The B-CELL-GM01Q is an STMod+ expansion board, featuring the award-winning Sequans® Monarch-based GM01Q LTE cellular modem module.

This module supports 17 bands providing world-wide connectivity. An antenna is included in the package for direct out-of-the-box use the board. This expansion board works with any STM32-based Discovery kit that features an STMod+ connector as well as with Nucleo boards through the X-NUCLEO-STMODA1 shield.

The expansion board is pre-integrated in the STM32Cube software tool suite, which provides a turnkey solution for connecting STM32-based products. With this board, developers can easily prototype their IoT applications using STMicroelectronics STM32 devices.

The B-CELL-GM01Q is supplied by a third party not affiliated to ST. For complete and latest information, refer to the third party web page www.sequans.com/gm01q-stmod.
To order the B-CELL-GM01Q cellular modem expansion board with antenna for LTE IoT cellular to cloud, refer to Table 1.

<table>
<thead>
<tr>
<th>Order code</th>
<th>Feature</th>
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<tbody>
<tr>
<td>B-CELL-GM01Q</td>
<td>Sequans® GM01Q modem, STMod+, and antenna.</td>
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Revision history

Table 2. Document revision history

<table>
<thead>
<tr>
<th>Date</th>
<th>Version</th>
<th>Changes</th>
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<tbody>
<tr>
<td>12-Feb-2019</td>
<td>1</td>
<td>Initial release.</td>
</tr>
<tr>
<td>25-Feb-2019</td>
<td>2</td>
<td>Updated Description.</td>
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<tr>
<td>23-Apr-2019</td>
<td>3</td>
<td>Updated the picture on the cover page.</td>
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