Overview

By using Campbell Scientific’s external line of cellular modules, system integrators, OEMs, and large end users can avoid costly, time-consuming maintenance visits to remote devices around the world.

The CELL200 series of external cellular modules are 4G LTE cellular devices that provide serial or CS I/O connectivity to a number of cellular networks, including Verizon, AT&T, T-Mobile USA, Rogers, Bell, Telstra, and Telus. The networking and carrier used by the CELL200 series is determined by the model used and the SIM card inserted into the device.

The CELL225 has very low power consumption when compared to other cellular modems: 14 mA at idle, 39 mA when active, and 200 µA when in low power mode.

When coupled with Campbell Scientific data services, these devices are ready for you to use out of the box. There is no need for you to work with cellular carriers for provisioning and experience the accompanying hassle.

The CELL225 is part of the CELL200 series of modems that includes:

- **CELL205** for use with AT&T
- **CELL210** for use with Verizon
- **CELL215** for use in EMEA countries
- **CELL220** for use in Australia
- **CELL225** for use in Japan

**Note:** The CELL225 does not ship with a SIM card unless the cellular modem was provisioned with/for Campbell Scientific cellular data services; the SIM card is provided by the carrier when signing up for service. For more information, visit the [Cellular Data Services page](https://www.campbellsic.com/cell225).

Benefits and Features

- Includes everything needed for use with a Campbell Scientific data logger or smart sensor
- Low power consumption for solar-powered sites
- Easy integration, setup, and installation
- No moving parts and low maintenance
- Compatible with modern Campbell Scientific data loggers
- Compatible with Edlog-era data loggers in serial server mode
- 4G LTE networking
- Ready for out-of-the-box use with Campbell Scientific data services
- Konect routing service included to assure a secure connection with Campbell Scientific data logger support software

For comprehensive details, visit: [www.campbellsic.com/cell225](https://www.campbellsic.com/cell225)
Specifications

Host Interface
- CS I/O communications port, DB9 male
- RS-232 serial port, DB9 female
- USB version 2.0 with micro-B connector

RF Connectors
- 2 SMA antenna connectors (primary and diversity)

Operating Temperature Range
- -40° to +80°C

SIM Interface
- 3FF

Dimensions
- 13.46 x 8.1 x 2.86 cm (5.3 x 3.19 x 1.13 in.)

Weight
- 215.5 g (7.6 oz)

Cellular WAN

<table>
<thead>
<tr>
<th>Network Technology</th>
<th>4G</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carrier Approval</td>
<td>JATE/TELEC/DOCOMO</td>
</tr>
<tr>
<td>LTE</td>
<td>2100(B1), 1800(B3), 1800(B8), 800 Lower(B18), 800 Upper(B19), 850+ (B26)</td>
</tr>
</tbody>
</table>

Data Speeds

| LTE | Max 5 Mbps (upload) | Max 10 Mbps (download) |

Power Consumption

| Low Power Mode | 200 µA |
| Idle           | 14 mA |
| Active         | 39 mA |

For comprehensive details, visit: [www.campbellsci.com/cell225](http://www.campbellsci.com/cell225)