Key Features include:

- 2G & 3G compatible
- GSM network scan for best signal
- Transmits and receives SMS messages & commands
- Easy to install, plugs into SPC controller board
- Pay as you go credit monitoring
- Signal strength indication
- Improved Audio Video transmission
Description

The SPCN320 GSM module can be assigned to any mobile network by the insertion of a standard SIM card. The modem is compatible with the complete range of SPC panels and plugs directly on the main PCB removing the need for any additional wiring. The unit comes with an external antenna that fits on the cabinet.

The modem communicates with a central station (ARC) using common format protocols (SIA, Contact ID) or IP over GPRS to SPC Com alarm receiver. It also supports PPP connection to SPC Pro Software for remote programming and configuration up-/download. The SMS feature allows user / engineer to be sent a predefined text when selected events occur in the system or receiving of predefined SMS commands for security system control. The GSM modem can be used as the primary source of communication or as backup to the PSTN modem or IP communication.

Feature Set Vs Firmware Version

<table>
<thead>
<tr>
<th>Feature</th>
<th>Version 3.8 Firmware</th>
<th>Firmware prior to Version 3.8</th>
</tr>
</thead>
<tbody>
<tr>
<td>3G compatible</td>
<td>2G &amp; 3G</td>
<td>2G only</td>
</tr>
<tr>
<td>Pay as you go monitoring</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>Signal strength LED’s</td>
<td>Yes, improved &amp; colour coded</td>
<td>Yes</td>
</tr>
<tr>
<td>Additional character support</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>External antenna</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Compatible with all SIM profiles</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>Audio/Video verification</td>
<td>Improved</td>
<td>No</td>
</tr>
</tbody>
</table>
**Technical data**

**Network Connections**
- GSM/GPRS (dual band 900/1800 MHz)

**Current consumption**
- Operating: Max 130mA at 12V DC
- Quiescent: Max 40mA at 12 V DC

**Mechanical**
- Header Connection: Plugs into control board
- Securing: 2 x screws

**Tamper protection**
- Panel enclosure, signal loss

**Dimensions (PCB)**
- 90 x 38 x 25mm (Lx W x H)

**Visual indications**

**Signal strength**
- Red LED – D4: Low (Off = 1, pulsing = 2-3 constant = 4-5)
- Yellow LED – D5: Medium (pulsing = 6 & constant = 7)
- Green LED – D6: High (pulsing = 8 & constant = 9)

**General**
- Green LED – D1: Pulsing = power connected
- Green LED – D2: Constant = Connected to mast
- Green LED – D3: Constant = Data transmission

**SIM Card size**
- All

**SIM Card**
- Not supplied with product

**Antenna (Supplied)**
- Panel mounted, complete with 380mm of cable & BNC connector

**Environmental**
- Operating temperature: -10 … +50 °C

**Approvals (pending)**
- VdS, EN, SBSC, etc.

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**Accessories**

<table>
<thead>
<tr>
<th>Type</th>
<th>Art.-No.</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPCW101.000</td>
<td>V54559-B101-A100</td>
<td>External antenna, 2m lead &amp; bracket</td>
<td>0.130g</td>
</tr>
</tbody>
</table>

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**Ordering information**

<table>
<thead>
<tr>
<th>Type</th>
<th>Art.-No.</th>
<th>Description</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPCN320</td>
<td>V54550-B102_A200</td>
<td>SPCN320.000 GSM/GPRS modem, inc antenna</td>
<td>0.120g</td>
</tr>
</tbody>
</table>