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The new **CLSS Dual SIM 4G LTE Cellular Module** for the CLSS Gateway provides global connectivity and ensures stable network performance even in harsh signal conditions. It features a dual SIM design and a high-performance antenna included with the module for greater range and reliability. The module supports redundant cell carriers (e.g., Verizon and AT&T in the US) and allows automatic SIM switching if the primary carrier signal fails, ensuring continuous and reliable network connectivity. Additionally, optional accessories are available: Diversity antenna kit, Outdoor Antenna kits with up to 25 or 50 feet of cable length, ideal for buildings with low signal penetration, such as schools and basement installations.

Supporting Documents

1. Installation documents for CLSS Gateway
2. Refer to the Honeywell Fire Alarm Panel Brand websites or log in to https://fire.honeywell.com/

Disclaimer

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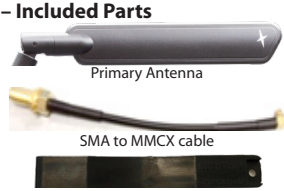
Compliances

- FCC, IC, PTCRB / GCF, CE
- ETL Listed for UL864 Standard (US)

Dual SIM 4G LTE Module – Included Parts



Cell module


Primary Antenna

SMA to MMCX cable

Retention Strap



Fig. 1: CLSS Gateway with Dual SIM Cellular Module

Note: Please ensure that the CLSS Gateway firmware version is 4.6.0.56 or higher for the Gateway to detect the new CLSS Dual SIM 4G LTE Cellular Module. If the current CLSS Gateway firmware version is older, please upgrade to version 4.6.0.56 or higher via the local web page or over-the-air (OTA) via the Wi-Fi or Ethernet interface, if available.

CLSS Dual SIM 4G LTE Cellular Module Installation steps

1. Switch OFF the gateway.
2. Open the enclosure door.
3. Punch out the appropriate knockouts on the enclosure for the aerials (See Fig. 2)

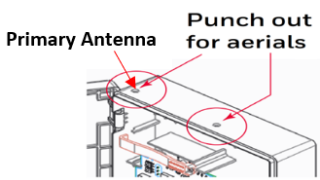


Fig.2: Knockouts on the Enclosure

4. On the top edge of the gateway, plug the new CLSS Dual SIM 4G LTE Cellular Module onto the 40-pin expansion slot (see Fig.3)
5. Secure the cellular module with the retention strap and a screw, which come with the module (See Fig.3)

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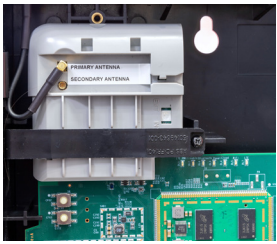


Fig.3: Installing the CCM2 cell module

6. Use the MMCX to SMA cable and connect the SMA Connector to Gateway enclosure knockouts and tighten the hex nut and washer
7. Connect MMCX male connector of the cable to Cellular module's primary antenna connector (See Fig.4)
8. Install the Primary Antenna with SMA jack as shown below (See Fig.4)



Fig.4: Installing Primary Antenna with SMA cable

9. Slowly and gently adjust the primary antenna position vertically from 0 to 90 degrees and rotate it 0 to 180 degrees azimuth to achieve maximum signal strength.
10. Connect the Gateway to the Panel via the respective cable.
11. Connect 24 VDC power supply or the Panel power output to the Gateway to switch ON the CLSS Gateway.

Commissioning the CLSS Gateway with Cellular module

1. Check that the Cellular module LED is solid green. This indicates that the module is connected to the cell tower.
2. Check the status LEDs of the CLSS Gateway.
   i. LTE PWR (DL1) must be ON (solid green)
   ii. LTE (DL7) must be blinking slow.
3. Continue with Commissioning and installation of CLSS Gateway to a specific site/building by following the "fixed gateway installation" using the CLSS mobile app.

Troubleshooting

1. Cellular module LED
   a. Solid Green: Cellular module is connected to cell tower.
   b. OFF: CLSS Gateway not powered or cellular module is not connected to the Gateway.
   c. Blinking Red: Cellular module attempting to connect to cell tower.
2. CLSS Gateway LED for Cellular module
   a. DL1 – LTE POWER:
      i. Solid Green: Cellular module is detected and powered.
      ii. OFF: No cellular module detected or powered
   b. DL7 – LTE
      i. Blinking Slow (once every 2 seconds): The cellular module is connected to the Internet with a stable connection.
      ii. Blinking Fast (once every 0.5 seconds): The cellular module is connected to the Internet with an average connection.
      iii. OFF: The cellular module has no network connectivity.

NOTE: For average or weak network connection to cellular module
1. Slowly and gently adjust the primary antenna position vertically from 0 to 90 degrees and rotate it 0 to 180 degrees azimuth to achieve maximum signal strength.
2. Optional accessories are available: Diversity antenna kit (CCM2-ANTKIT-EXT2), Outdoor Antenna kits with up to 25 feet (CCM2-ANTKIT-OUT25) or 50 feet (CCM2-ANTKIT-OUT50) of cable length to improve signal strength.

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