3rd Generation Gateway
L-N:120—240VAC

Smart multimodal communications gateway between Litenode™ wireless relays and SCMS Connect{ED} or DOO Express software

- Completely autonomous
- Surge protected
- Astronomical scheduling functions
- Gateways are in NEMA4X (IP66) cabinets
- Multimodal communication options: RF mesh, cellular technology or via an Ethernet connection
- Will suit projects of any size, from a parking lot to a city-wide IoT network.

MARKETS
Cities, utilities, facilities, real estate/land owners to operate scalable IoT networks composed of lights, meters, sensors, digital panels, cameras, and any other IoT devices for many sectors — Agriculture, Energy, Safety, etc.

CARACTERISTICS
- Autonomously manages a group of nodes, removing any dependency on a central server for normal operation and making the system redundant and robust.
- Convenient for both indoor and outdoor applications.
- Uses Flash memory storage in order to withstand temperature, shock & vibrations.
- Gateway / node ratio: up to a maximum of 1000 modules per Gateway (500 recommended).
- Failure will trigger a failsafe process that enables a photocell sensor (optional) to periodically (every X min) broadcast On-Off scenarios, according to sunrise/sunset.
- Information storage for a period of up to 6 months.
- Military grade 128bits AES communication encryption.

SPECIFICATIONS

Electrical
- Voltage:
  - Operation range: 120-240 Vac (both 50&60Hz) (277 and 347 requires a CAB-GTW-SD-277 or -347)
  - Power consumption: 10 watts max (Heater option 70 Watts when in function / UPS 340 watts max with UPS charging)
  - Fused supply : 5 amps
  - Surge protection 190 Joules (10,000 surge current rating measured using industry standard 8/20 µSec wave)
  - UPS option : LiFePO4 long lasting battery, 12 Hrs autonomy, fast recharge

Environmental
- Ambient temperature range: 0C to +70C (32 to 185F)
  - Low temperature heater option -40C to 70C (-40 to 185F)
- Relative Humidity: up to 99% non-condensing (fully waterproof enclosure NEMA 4x)

Listings
- U.S. FCC : QOQMG12O3 (see manufacturer for details)

Warranty
- Limited 3-year standard warranty (please refer to for terms and conditions http://www.dimonoff.com/about-dimonoff)
- Life rating: 12 years
**PRODUCT DATA - GATEWAY-G3-WP**

**BLOCK DIAGRAM**

**DIMENSIONS**

(L x W x H) (in)
10 x 8 x 4 in (Hammond PJU1084)
12 x 14 x 6 in with –UPS and or Cellular options
Supplied with mounting brackets
STAINLESS STEEL hinges and LOCKABLE SNAP LATCHES

**WIRING DIAGRAM**

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>Model</th>
<th>Radio options</th>
<th>Voltage</th>
<th>Cellular modem</th>
<th>Options</th>
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</thead>
<tbody>
<tr>
<td>CAB-GTW-G3-WP</td>
<td>2.4GHz</td>
<td>120-240 Vac, (277 and 347 requires an external step down transformer )</td>
<td>-ROB, -RV50</td>
<td>-Heat = Heater, -UPS = Battery backup</td>
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**DimOnOff Specification submittal**

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<thead>
<tr>
<th>JOB NAME:</th>
<th>CATALOG NUMBERS:</th>
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**DimOnOff inc.**

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