The ARG600 Wireless Cellular Gateway provides wireless monitoring and control of field devices via cellular network from a central site or a control center. The devices offer industrial quality connectivity for the TCP/IP based protocols. The ARG600 Wireless Cellular Gateway exhibits integrated communication capability and seamless integration to the SCADA systems. It is a member of ABB’s Arctic product family. Using the ARG600 Wireless Cellular Gateway, Ethernet and serial devices can be attached to a TCP/IP based control system. DNP3 serial devices can be also attached to a DNP3 TCP SCADA system. In this case, the DNP3 protocol is transferred over TCP/IP communication (transparent serial gateway mode).

### Interfaces
- LTE (AT&T, Verizon Wireless), WCDMA (AT&T), GSM (AT&T) and CDMA (Verizon Wireless) wireless
- One IEEE 802.3 10/100BASE-T port
- One RS-232 serial port
- One RS-232, RS-422 or RS-485 serial port
- Network protocols: PPP, IP, ICMP, UDP, TCP, ARP, DNS, DHCP, FTP, TFTP, HTTPS, POP3, SMTP
- Networking functions: static routing, Ethernet over TCP/IP (bridge), proxy ARP, NAT
- Automation protocol support (serial ports): device server application, serial data over TCP/IP (such as DNP3 over TCP/IP), IEC 60870-5-101 protocol support
- Antenna connector: SMA (female, 50 Ω)
- SIM card type: 2FF (Mini SIM)

### Management
- Web UI via HTTPS, SSH and serial console
- Software upgrades
- Arctic Patrol client application for communication monitoring and management

### Security
- Open VPN server and client
- IPsec
- SSH server and client
- L2TP
- Integrated firewall
- SSL and SSH

### Environmental specifications
- Operating temperature range: -30°C to +70°C
- Storage temperature range: -40°C to +85°C
- Humidity: 5% to 85% non-condensing
- Protection class: IP30

### Power
- Input power: 12 to 48 VDC (nominal)
- Power consumption: 1 to 5 W

### Wireless

#### AT&T

<table>
<thead>
<tr>
<th>Technology</th>
<th>Bands</th>
<th>Frequencies (MHz)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LTE</td>
<td>2, 4, 5, 17</td>
<td>1900, 1700/2100, 850, 700</td>
</tr>
<tr>
<td>WCDMA</td>
<td>1, 2, 4, 5, 8</td>
<td>2100, 1900, 1700/2100, 850, 900</td>
</tr>
<tr>
<td>GSM</td>
<td>GSM, EGSM DCS, PCS</td>
<td>850, 900, 1800, 1900</td>
</tr>
</tbody>
</table>

#### Verizon

<table>
<thead>
<tr>
<th>Technology</th>
<th>Bands</th>
<th>Frequencies (MHz)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LTE</td>
<td>2, 4, 13</td>
<td>1900, 1700/2100, 700</td>
</tr>
<tr>
<td>CDMA</td>
<td>0, 1, 10</td>
<td>800, 1900, 800</td>
</tr>
</tbody>
</table>
Physical
- Dimensions: 4.25" (10.8 cm) × 1.8" (4.5 cm) × 6.9" (17.5 cm) (without antenna)
- Weight: 1.16 lbs (526.17 grams)
- Rails to enable wall or DIN rail mounting

Wireless Approvals
- Emission tests according to the test specification IEC 61850-3 (Edition 2.0 2013-12)
  - Radiated disturbance: CISPR 16-2-3
  - Conducted disturbance: CISPR 16-2-1

Safety Approvals
- CE

Protection
- Emission tests according to the test specification IEC 61850-3 (Edition 2.0 2013-12)
  - Electrostatic discharge (ESD): EN 61000-4-2 (2008-12)
  - Radiated radio frequency electromagnetic field: EN 61000-4-3 (2006-02)
  - Electrical fast transient (EFT): EN 61000-4-4 (2012-04)
  - Surge: EN 61000-4-5 (2005-11)
  - Conducted radio frequency electromagnetic field: EN 61000-4-6 (2008-10)
  - Power frequency magnetic field: EN 61000-4-8 (2009-09)

Environmental compliance
- RoHS directive 2002/95/EC
- REACH directive 2006/1907/EC

Warranty
- Three year hardware warranty
- Software and hardware maintenance plans available

For more information please contact:

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