This RFID reader is an excellent choice for vehicle applications, on smart shelves or displays and in any installation requiring RFID remote data exchange.

This fixed four port reader is optimized for full portal installation and provides full power to up to 4 antennas, full network interfaces, Gen 2 DRM management and high speed read rates.

The 216015 RFID reader employs an INTEL® ATOM™ processor to offer exception performance.

The reader can operate in several different regions and meets regulatory environments (North America, Europe, Australia, China, Korea, Japan, Singapore and Taiwan). Additionally, GPRS data transmission is optionally available.

These features, together with its compact and versatile form factor, make this RFID reader an excellent choice for vehicle applications, on smart shelves or displays and in any installation requiring RFID remote data exchange.

Features

✓ Multi-Regional Support:
  ETSI EN 302 208
  FCC part 15
  Australia, China, Korea, Japan, Singapore, Taiwan
✓ Integrated GPRS modem (optional)
✓ EPC C1 G2, ISO 18000-6C Compliant
✓ USB 2.0 High Speed Host Port.
✓ Internal MicroSD slot
✓ Ideal for:
  Vehicle access control systems
  Pick and put away applications
  Industrial control
  RFID tunnels
  Portal applications
  Point of sales devices
## Technical Specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Operating Frequency</td>
<td>902÷928 MHz (FCC part 15) 865.700÷867.500 (ETSI EN 302 208) Australia, China, Korea, Japan, Singapore, Taiwan</td>
</tr>
<tr>
<td>Output Power</td>
<td>Up to 32 dBm (~1.6W) conducted</td>
</tr>
<tr>
<td>Antenna Connector</td>
<td>4 TNC Reverse Polarity</td>
</tr>
<tr>
<td>Antenna Connector</td>
<td>Manchester, Biphase, PSK</td>
</tr>
<tr>
<td>Frequency Tolerance</td>
<td>Gen 2 Dense Reader Mode Management Data rate up to 400 Kbits/s</td>
</tr>
<tr>
<td>Channel Occupancy</td>
<td>In accordance with both ETSI EN 302 208 and FCC part 15</td>
</tr>
<tr>
<td>Standard Compliance</td>
<td>EPC C1 G2/ISO 18000-6C</td>
</tr>
<tr>
<td>Digital I/O</td>
<td>4 inputs, TTL levels (DB15); 4 outputs, TTL levels (DB15)</td>
</tr>
<tr>
<td>Ports</td>
<td>RS232 Serial Communication (DB9); USB 2.0 High Speed Host Port; Ethernet 10/100BASE-T (RJ45)</td>
</tr>
<tr>
<td>Wireless Communication</td>
<td>GSM/GPRS (SMA) (optional) WiFi (optional via USB host)</td>
</tr>
<tr>
<td>Internal Interfaces</td>
<td>Micro SD slot SIM card housing (optional)</td>
</tr>
<tr>
<td>Dimensions</td>
<td>(W)275 x (L)155 x (H)39 mm3 (10.8 x 6.1 x 1.5 inch3)</td>
</tr>
<tr>
<td>Supply Voltage Range</td>
<td>9÷36 Vdc (30W)</td>
</tr>
<tr>
<td>Operating Temperature</td>
<td>-20 °C to 55 °C</td>
</tr>
<tr>
<td>Weight</td>
<td>1.3 kg</td>
</tr>
</tbody>
</table>
Product Overview

Fixed 4 Port Reader (216015)

GAO Group

Celebrating Over 15 Years of Innovation

GAORFID.com
GAOTek.com
GAORFIDAsetTracking.com
GAOComm.com
GAOInstruments.com
GAOFiberOptics.com
GAOEmbedded.com
GAOREsearch.com

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Fixed 4 Port Reader
GAO 216015

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