The ultra high frequency RFID reader has 4 antenna ports and is compliant with ISO 18000-6C and EPC Class 1 Gen 2 standards.

The ultra high frequency RFID reader features a compact size, light weight and multi-regional flexibility. It has 4 antenna ports and is compliant with ISO 18000-6C and EPC Class 1 Gen 2 standards. It provides a long reading distance of 5 meters. This reliable 4-port UHF RFID reader is used in various applications including supply chain, logistic inventory management, cargo tracking, warehouse management, shop floor management and class management.

Key Features

- Light weight, multi-regional flexibility
- Long read range of 5 meters
- 4 antenna ports and 3 LED indicators
- Industrial I/O connection
- Compliant with ISO 18000-6C and EPC Class 1 Gen 2 protocols

Applications

- Supply chain management
- Logistic inventory management
- Cargo tracking management
- Warehouse management
- Shop floor management
- Class management
## Technical Specifications

<table>
<thead>
<tr>
<th>Model No.</th>
<th>216027</th>
<th>216027US</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Operation</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>RFID</strong></td>
<td>ISO 18000-6C, EPC Class 1 Gen 2</td>
<td></td>
</tr>
<tr>
<td><strong>Frequency</strong></td>
<td>840 to 960 MHz (configurable)</td>
<td></td>
</tr>
<tr>
<td><strong>Output Power</strong></td>
<td>Maximum 27 dbm (0.5 W) (adjustable)</td>
<td></td>
</tr>
</tbody>
</table>
| **Interface** | RS232C: 4800-115200 bps (8,N,1), standard default value 115200 bps (8,N,1)  
RS485: 4800-115200 bps (8,N,1)  
Wiegand: Wiegand 0-114 bits, standard default value Wiegand 26 bits | |
| **Power Input** | 7.5-12 V DC  
Standby 600-650 mA @ 7.5 V DC  
Minimum current 1 A @ 7.5-12 V DC | |
| **Read Range** | Up to 5 meters (tags and antenna dependent) | |
| **Dimensions** | Length: 114 mm/Width: 97 mm  
Length: 21 mm (terminal included) | |
| **Physical** | | |
| **Weight** | 170 grams (terminal included) | |
| **I/O Connection** | 14 pin 3.5 mm (head of terminal) | |
| **Antenna Connectors** | 4-port SMA: female body with female inner pin (216027)  
4-port SMA: female body with male inner pin (216027US) | |
| **Environmental** | | |
| **Temperature** | Operating: -10 °C to 60 °C  
Storage: -20 °C to 70 °C | |
| **Humidity** | Operating: 10% to 90% non-condensing  
Storage: up to 90% non-condensing | |
| **Safety approval** | | |
| **Approval** | CE R&TTE  
EN 302 208-1/-2  
EN 301 489-1/-3  
EN 60950-1 | FCC ID  
PART 15B/C |
Product Overview

4 Port UHF RFID Long Range Reader

GAO Group

GAORFID.com
GAOTek.com
GAOResearch.com

Toll Free (USA & Canada)
1-877-585-9555

All Other Areas
416-292-0038

Dial Ext.601 for Sales
Ext.602 for Other Inquiries

sales@GAORFID.com