



RFID Inc.

A Member of GAO Group

Celebrating Over 20 Years of Innovation

UHF 433 MHz Active End Cap RFID Reader

Product ID 530008



GAO RFID's UHF 433 MHz Active End Cap RFID Reader for Psion Teklogix Workabout Pro G2 is a powerful, robust and cost-effective mobile tool for active RFID asset management. It has the advantages of quick and easy installation, plug and play capability, allowing for simultaneous use of multiple other expansion modules, user's choice of out-the-box or customized applications to process detected tag data. The end-cap reader can operate in rugged conditions at both short ranges or at ultra-long ranges and provides unrivalled mobility solutions for customers seeking to identify, locate or audit tagged assets outside of areas monitored by fixed RFID reader networks.

This end-cap RFID reader can be used as a standalone mobile device or as part of an enterprise asset management system. It allows users to combine their choice of barcode scanners, imagers, wireless LAN & WAN adaptors, GPS positioning and GSM/GPRS/EDGE communication modules with this compact device. The long range end-cap reader offers a typical tag read range of 70 m by using an external antenna and allows for ultra-long range asset identification and auditing indoor or outdoor storage facilities. A standard range model is also available and offers a typical tag read range of 15 m by using an internal antenna and allows for close proximity asset identification.

ASK AN EXPERT!
sales@gaorfid.com

1-877-585-9555 x 601
1-416-292-0038 x 601

Within North America
Anywhere Else

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APPLICATIONS

- ☐ Asset identification
- ☐ Auditing indoor or outdoor storage facilities

KEY FEATURES

- ☐ Powerful, robust and cost effective.
- ☐ Quick and easy installation.
- ☐ Standard range and long range models available.
- ☐ Allows for simultaneous use of multiple other expansion modules.
- ☐ Allows combination with GPRS, GSM, Wi-Fi and Barcode expansion modules on a single unit.
- ☐ Signal Strength information is reported with every tag.
- ☐ Housed in a standard, approved Psion Teklogix end-cap.

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TECHNICAL SPECIFICATIONS

| Radio Frequency | | |
|---------------------------|--|-----------------|
| Receive Frequency | 433.92 MHz | |
| Modulation | ASK | |
| Stability | 20 ppm over 14 °F to 140 °F (-10 °C to 60 °C) | |
| Sensitivity | -70 dBm (preliminary) | |
| RF Input (214041 only) | 50 Ohm SMC (female) | |
| Read Range | 530008-A | 530008-B |
| | 229.65 ft (70 m) | 49.21 ft (15 m) |
| Electrical | | |
| Supply Voltage | ± 5 V DC | |
| Max. Current Consumption | < 15 mA | |
| ESD Protection | 2 kV Human Body Model | |
| Physical | | |
| Size (excl. ext. antenna) | 3.93 in × 2.36 in × 1.18 in (100 mm x 60 mm x 30 mm) (approx.) | |
| Weight (unit) | 0.14 lbs (65 grams) | |
| Color | Black | |
| Material | ABS | |
| Connections | Molex Psion Teklogix USB SMC connector (Model A only) | |

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TECHNICAL SPECIFICATIONS

| Environmental | |
|----------------------------------|---|
| Operating Temperature | -40 °F to 167 °F (-40 °C to 75 °C) |
| Storage Temperature | -40 °F to 185 °F (-40 °C to 85 °C) |
| Humidity | 5 % to 90 % (non condensing) |
| Operating System | This unit is only compatible with G2/G3 that operate mobile. It is not CE compatible. |
| Supply Accessories | |
| External Antenna (530008-A only) | 433 MHz ¼ Wave Whip |

ORDERING INFORMATION

| Model No. | Read Range |
|-----------|------------------|
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