

This reader is ideally suited for both mobile and fixed site applications. It allows the user to instantly view their readers and tagged assets at any location.

This active RFID GPRS reader breaks the boundaries of wired deployment and provides complete global visibility of Wavetrend tagged assets regardless of location and communicates tag data over global GPRS cellular networks. It can be powered from any 6 to 28V supply and can be used for applications as wide as the requirements of the installer.



This reader is ideally suited for both mobile and fixed site applications. Its ease of deployment coupled with Web-based Wavetrend Smart Analyzer software allows the user to instantly view their readers and tagged assets at any location. The GPRS reader can be deployed on tractor units and can be used as part of a fleet management system. It not only provides the location of the tractor but also provide the customer with tractor trailer identification when combined with asset tags on the trailer.

Used with a 12V battery and solar cell, the active RFID reader can be used as a standalone reader for application where a wired network connection is not possible, as in typical applications such as construction and farming equipment.

Key Feature

- ✓ Global GPRS Coverage
- ✓ Real time reading of Wavetrend active RFID tags
- ✓ GPS Location powered by Sirf Star IV
- ✓ Total wireless deployment capability
- ✓ Store and forward functionality
- ✓ Power options for fixed and vehicle deployment
- ✓ Supports wide variety of antennas to achieve custom coverage areas

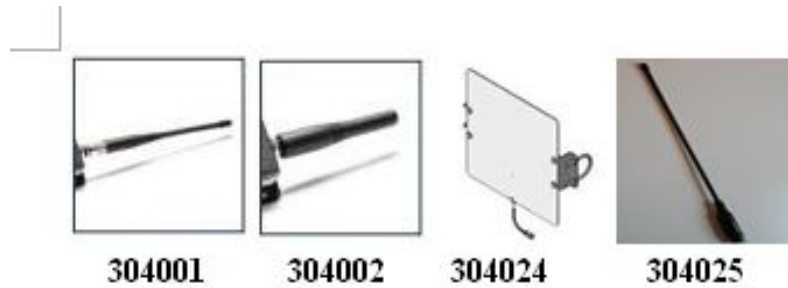
Technical Specifications

Radio Frequency	
Receive Frequency	433.92 MHz
Modulation	ASK
RF Input	50 Ohm BNC
GPRS	SMA
GPS	SMA
Electrical	
Supply Voltage	7 V-28Vdc
Max GPRS Current Consumption	2A
Max GPS Current Consumption	100ma
Sleeping Current Consumption	25ma
Average Current Consumption	30mah
Physical	
Size	125 mm * 80 mm * 30 mm
Weight (unit)	200 grams
Color	Aluminium Grey
Material	Aluminium
Connections	2 pairs of relay contacts, C, NO, NC 1 Mini USB type socket 2.5 mm power socket
Environmental	
Operating Temperature	-40 °C to+85 °C
Storage Temperature	-20 °C to+70 °C
Humidity	5% to 90% (non-condensing)

Typical read ranges of tags with various antennas

(Distances may vary depending on the ambient RF environment and site configurations and may not match those stated in this sheet. Read ranges will generally be greater outdoors than indoors. With specialist antennas, ranges in excess of 500 m can be achieved.)

Antenna Type	Read Range
304001	¼ Whip up to 50 m
304002	¾ Stub- up to 20 m
304024	Circular patch up to 150 m
304025	Outdoor Whip up to 150 m



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