

Shelf Reading

Apex RFID PowerReader™ Shelf Reading System

RFID500WC

ITG offers the RFID500WC Shelf Reading System, which incorporates a handheld RFID antenna-wand, cabled to an RFID coupler that is connected to a laptop computer (not provided). The RFID500WC system also includes a mobile cart and heavy duty rechargeable battery to power the RFID coupler and, if desired, the laptop. The system can also be powered by a direct AC connection to a wall outlet.

By passing the wand along the spines of shelved books, the PowerReader can read the RFID tags without having to remove individual items from the shelf. The PowerReader is used to create an inventory list of all books on the shelves within a specific area or throughout the entire collection. The reader can also be used to search for specific items or groups of items, and can identify items that have been shelved out of place. Software is provided for data collection, item searching and shelf maintenance. The system reads data downloaded from the ILS in comma-delimited format and creates comma-delimited upload files for updating the library's ILS.

Note: There may be additional costs if customization for the library's automated circulation system is required.

The following is a list of items provided by ITG as well as those items that must be provided by the library in order to use this system:

ITG Provides:

- ✓ Handheld RFID Antenna (wand)
- ✓ MR101 coupler
- ✓ Mobile Cart with Heavy Duty Battery

The Library Provides:

- ✓ Circulation database inventory module
- ✓ Laptop (per system requirements)

Installation Requirements:

Because the system is designed to be portable, there is no permanent installation requirement for the system. Some assembly is required. The FEIG MR101 RFID coupler and the library-supplied laptop PC are placed on a cart providing access to the system in the library shelf areas. The system requires continuous power for the coupler; a heavy-duty battery is provided as part of the configuration supplied by ITG. The wand can be used within 12 feet of the cart.

Laptop PC System Requirements:

The minimum system requirements are listed below:

Memory: 128 MB RAM

Drives: 50 MB minimum for software installation (200 MB minimum for virtual memory)

Other: 4x (or better) CD-Rom drive

Ports: One (1) 9-pin serial or USB port available

OS: Windows 98, 2000, XP or Vista

Other Software: Internet Explorer 5.01 or greater, Windows Installer 2.0 or greater, .NET Framework Version 1.1 or 2.0

Physical Specifications:

Hand-Held Inventory Wand	MR101 USB Reader
Size: 27¼x3½ x1½ in (692x88x42 mm) LxWxH	Dimensions: 85 x 145 x 31 mm (3.35 x 4.72 x 1.77 inches) WxLxH
Weight: 1¼ lbs (.57 kg)	Weight: 200 g (0.44 lb.)
Frequency: 13.56 MHz	RF Output Power: 1 W



PowerReader Inventory Wand



MR101 Reader



Shelf Reading Wand and System on Cart (Model shown includes Total Mobile Complete Staff station with Tag programming and dispensing and Inventory)

