

RADLogic Releases RFID Based Document Control System

RADLogic has developed an RFID based document management system designed for controlling and tracking documents and records within an organisation or between multiple organisations. Unlike bar-codes, RFID systems do not require visible access for identification and offer far greater functionality.

Based on Magellan Technology's PJM Stack Tag RFID Technology and readers (ISO 18000-3 mode 2), the system supports high-speed multi-document identification, and is intended for applications dealing with large numbers of documents. Typical applications include management of patient records in a hospital, case files in a legal practice, general document management in large government bodies, libraries, etc.

RADLogic designed the chips used in Magellan's tags and so has a thorough understanding of the capabilities of the technology and how to optimise performance.

Most RFID systems have difficulties in coping with reading many tags present in the radio frequency field at one time. But Magellan's high speed communication, advanced spread spectrum reply methods and stack-tag capability make short work of this situation.

With this technology, **it is possible to identify hundreds of documents packed into an archive box within a second without even opening the box.** This can be done even when tags are aligned and spaced less than 1mm apart, making it possible to tag individual pages if needed.



Magellan's Tunnel Reader

Not only can the tags be used to identify the documents, but they can also be programmed with additional data that is retained in the tag and can be read once the document reaches its destination. The information can be re-writable or can be permanently locked, depending upon needs.

RADLogic's Record Checkout System makes it possible to know where documents are stored at all times. When documents are transferred from department to department, the system knows what has been taken, when it was taken and by whom, and also the intended destination. This makes it easy to keep track of where documents are or where they should be, and also provides mechanisms for accountability for documents, avoiding leaks of sensitive information, etc.

The system utilises a Relational Database Management System (RDBMS) back-end using Structured Query Language (SQL), making it possible to interface to almost any existing database.

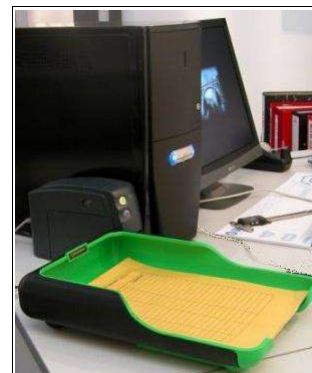
The easy to use Graphical User Interface allows Multiple Documents can be checked-out or checked in within seconds.

The system provides user, administrator and privileged modes of operation to support appropriate levels of access for those simply recording transactions, those who prepare documents for use with the system, and those who need to configure the system.

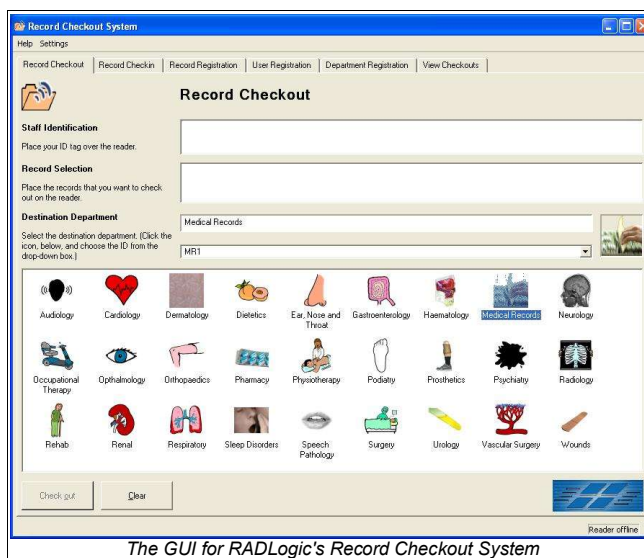
The software is available to run under Windows (XP, 2000, 98) and the Linux operating system and can be customised to support specific or site dependent needs.

RADLogic is a privately held design and development company that has been offering design services for integrated circuits and related systems for more than 15 years (see <http://www.radlogic.com>).

Magellan Technology is an Australian-based world leader in the development of advanced RFID reader and tag products to capture and manage information and apply it to global distribution systems management (see <http://www.magtech.com.au>).



Magellan's Document Tray Reader



The GUI for RADLogic's Record Checkout System