

RFID, Cx3 Chip Verification Software, and the impact on IT...

General overview

Although a few casino manufacturing companies would lead you to believe otherwise, RFID is not a new technology. In fact, RFID saw its first practical applications during World War II as an IFF device designed by Britain and used by the allied forces... so RFID technology itself has actually been in practical use for more than 60 years.

As for an introduction of RFID technology to the casino industry; the first RFID tag embedded in a chip was demonstrated at the 1996 London ICE show. At that time, the fledgling technology was very costly, and yielded unreasonably slow processing times; the benchmark tests at the time had resulted in more than 40 seconds to process a 100 chip box. Since then, significant technological improvements have been brought to market with new RFID tags, antennas, and interrogators.

Currently, much debate is faced regarding three primary frequencies: 125kHz, 13.56MHz Mode 1, and 13.56MHz Mode 2. For information regarding the pros and cons of these frequencies, please refer to the **Cx3 RFID frequency comparison chart**.

Self configuring

As a computer aficionado (sounds better than computer geek), don't you hate those applications that tell you about a missing database or data table, then suggests that you "contact your system admin" to remedy the problem. This leaves the onus of knowing how to properly build every supporting database and associated table squarely on the shoulders of the Sys Admin.

The architecture of Cx3 Chip Verification Software provides for the Master Application Server to perform a database diagnostic... including table integrity, indexes structure, and any associated default data. Additionally, the Master Application Server sporadically validates the integrity of all data at random time intervals to deter data hacking.

On the Client Application side, the detail screens are reconfigured with every launch to guarantee that imported denominations and chip types are all supported, and properly displayed. As for the aspect of security... whenever a Client Application first connects to its Master Application Server, a distinct SQL login name and password are created for the session that is immediately removed once the session has terminated.

In a nutshell, Cx3 acts as its own database administrator... ensuring the structural validity of the database and all associated tables & indexes, and establishing user accounts as needed.

Remotely administrable

Do you need to change the configuration of a client screen? Just open the **Client Administration** section on your **Master Application Server**. You can change the user profile, modify the station name, set the transaction buttons, remotely activate scanner functions, or even terminate the client session.

In fact, if you want to set security access to entire applications, or specific sub-sections of the Cx3 programs, just run the **Cx3 Security Administration Console**, and set security access based on your active server directory membership.

Cx3 was largely authored with computer support staffs in mind, and we've gone to considerable length to make the system as self sufficient and remotely maintainable as possible.



