

G-Rabbit EFT Slots System: Overview

The G-Rabbit system has been developed for smaller Cashless/EFT installations (20 to 200 Player positions), the same machine hardware being available in two configurations – SAS 4.xx - 5.xx and EFT, SAS6.02 AFT, or pulse system for non-SAS compliant machines where we interface discretely with the machine wiring to emulate coin switches and hopper functionality. This allows for the G-Rabbit system to operate with a wide variety of multi-player games as well as conventional slot machines.

Both flavours communicate with the host computer system using standard Ethernet hardware.

The SAS interfacing provides meter readings to the host system, whereas the pulse system interfacing provides less information feedback.

Hardware for machines:

G-Rabbit Slot machine interface board (SMIB or "Slave"), Ribbon or screened cable to machine SAS-port connector, LCD Display (16 Characters) & Smart-card Reader, Connection cables for Display & Reader. Additional opto-isolated interface and cable loom for non-SAS (Legacy) machines.

Due to the wide variety of slot machines, we do not normally include mounting kits for the LCD display or card reader, although we can provide "Side-enclosures" if necessary. As an alternative, we can have PT Rails manufactured to suit, providing that we are supplied with a sample or engineering drawing of the PT rail assembly for each machine variant.

System Software:

Our system software provides an intuitive operator experience.

The system software is supplied and configured according to the client requirements, and comprises:

- Core system, Set-up & Monitoring (Required) plus
- Configuration options
- Basic Reporting
- Cashless EFT /AFT
- Loyalty (Additional)

Cards:

For Staff system log-on and player identification, we use secure chip cards. These are more durable and secure than magnetic stripe cards and contain a hidden security code, which prevents duplication or alteration. The cards do not contain any information regarding credit value – they are purely identification devices that relates to system database records.

Staff log-on levels are graded to 9 levels, which allow access to system facilities according to their status.

Player cards may be designated as 'Member" and issued to regular players, with the potential of adding a loyalty (Player tracking) module at a later stage – or "Guest" (walk-in) cards.

Operator selectable parameters allow for the following to be enabled:

Provision is made for Member cards to require a pin number to be used when redeeming credits greater than a selected value at the cashier station.

Provision is made for Guest cards whereas a deposit is automatically deducted from a player's initial credit purchase and refunded on return to the cash desk of the card.

Machines:

Machine denominations are configured in the set-up routine, which means that the system sends credits to machines at the denomination set on the machines. This avoids a player on a "Penny" machine having credits that are non-divisible by the system denomination remaining on the machine. If, however, tokenization is preferred, then the denomination may be set (On the system) to whatever is required.

Computer Hardware:

We would be looking at one host/server plus a management workstation and one Cashier and one "Customer service" workstations. Practically, with a maximum of 50 slots per site, the site could manage with two workstations in addition to the host/server. Each workstation will be fitted with a card reader/writer to facilitate staff login and administering player smart cards. A site of 70+ machines would benefit from a second cashier station at busy times.

Multiple cashier workstations are catered for, plus management and Customer-services computers.

Each cashier is separately audited and may log off from duty during a shift without needing to reconcile until the shift ends. This enables a relief cashier to take over the cash desk with his or her own float. A cashier may close and reconcile a shift at the management workstation if required. Reconciliation may be "Open" or "Blind" according to owner's specification.

A networked Laser printed is normally provided for report and cashier reconciliation printing.

All software is accessed from, and all data files are maintained on the server, thus none of the workstations need to be dedicated to a particular task.

Operating system - XP Pro or Win7. Windows 10 (If you insist)

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Internet reporting to a central location may be achieved by a number of methods. If client requires the ability to remotely connect to the server to access data, then the server or the computer/router/modem that connects to the Internet would require a static IP address, VPN plus a great deal of security and fire-walling.

The alternatives are to periodically connect to a remote FTP (Internet) server and upload the appropriate data, or to email the data as an attachment. Both of these actions may be specified to occur automatically at pre-determined intervals or by operator action at the local management console. The data uploaded to the FTP server may be accessed and downloaded by the client as required. We can configure the system to upload specific reports or the current database, from which the client may generate reports.

System to Machine Data Communications:

Standard Ethernet equipment is used for data communications throughout. Ideally, a 24 port Ethernet switch, located in the office area together with the server, feeds the office workstations and a number of second level distribution Ethernet switches on the slots floor. These second level switches feed the individual machine SMIB's (We normally refer to the SMIB's as "Slaves").

Security of System:

Ideally the server needs to be placed in a secure environment, even though data and system access will be password protected

Workstation access is controlled either by username and password or by using a smart card that identifies individual staff members.

There are 9 access levels:

Staff Authority Levels: (Basics only listed here)

- 1 - Selected reporting functions only - Gaming Board etc..
- 2 - Cashier functions Only. Issue, Redemption & Member Enquiry.
- 3 - Supervisor - Level 2, Plus Supervisor functions including
 - Authorizing Shift change, Reporting on Cashier activity,
 - Administering Level 2 Staff Card Functions (Registration, Edit, Enquiry, Suspend & Re-instate) and New Card Validation & Registration.
- 4 - Customer Service - Level 3, Plus Functions of Member Registration and Administration including Member promotion to category 2, Loyalty Points Redemption, Administering level 3 Staff Card Functions.
- 5 - Shift Manager - Level 4, Plus Machine file maintenance, Administering level 3 Staff Card Functions, Authorizing Comp Credits, Member promotion to category 4, Replace Member cards, Machine File Maintenance, Machine Performance Reporting.
- 6 - Slots Manager - Level 5 plus Detailed Reporting, Member promotion to category 5
- 7 - Cage/Financial Manager - Level 4, Plus Forex & Cage Functions (Optional)
- 8 - Casino Manager - All levels below 8.
- 9 - Owner - All Functions

Languages:

The system operation screens and reports, plus the "Player Information" LCD displays are initially in English.

Currently we have the option to allow the Player Information display and the Cashier entry screens to be in French. Additional languages will be made available on request.

Deviations from the above:

Because all development is completed in-house, special requirements and proprietary machine interface protocols can be catered for, provided that the client provides full information.

Charges for additional requirements will be realistic.

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