

Product Bulletin

ISS45 8.4.2

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Fujitsu Transaction Solutions is very pleased to announce an important new ISS45 software system. The General Release of ISS45 8.4.2 is the most powerful and rich in-store software system ever developed. This release has been shipped to all ISS45 Dealers in good standing.

There are many new features and innumerable small additions and enhancements compared to the 8.3 version. This bulletin describes the most important new capabilities. Regarding earlier **V8** releases and their features, you can refer to Marketing Bulletin [1171](#) (Version 8.3) and Marketing Bulletin [1148](#) (8.2 and differences between **V8** and V7.) Other Marketing Bulletins you may find informative include [1118](#) (Version 8 and WinPoS Platform Configuration) and [1126](#) (ISS45 V8/WinPoS Questions and Answers) which have been updated for the 8.4 release.

This bulletin contains the following sections for your convenience. Click to jump immediately to the selected section:

- Documentation
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- ISS45 8.4 Functional Enhancements
- ISS45 8.4 Utility and System Enhancements



ISS45 was already the finest grocery PoS system, and there can be no question that 8.4 just moves you further out in front of your nearest competitor.

To Your Success

Tony

*Antony van Leventer
Director: Supermarket Systems*

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DOCUMENTATION

For the 8.4.2 release, there are four new manuals and User Reference documents:

- ISS45 8.4.2 Office Reference
- ISS45 8.4.2 WinPoS User Reference
- ISS45 8.4.2 Reports Reference
- ISS45 8.4.2 Installation

Hard copies of the WinPoS User Reference, the Reports Reference and the Office Reference are shipped with the **V8** Documentation Pack (no charge with each new ISS45 **V8** license). All four new documents are available to Dealers on the ISS45 Dealer Web site. All are also published for your convenience on the 8.4.2 CD-ROM except the Office Reference. Additional 8.4 manuals and documentation will be released in the future.

In addition, a series of [Technical Bulletins](#) has been provided (see the ISS45 Support Web site) to address specific areas of ISS45 8.4.

SYSTEM PLATFORMS

Version 8.4 is **only** supported at this writing on servers from the Fujitsu program. Please see the current version of Marketing Bulletin [1147](#) for these products. It is anticipated that — as with Version 7 — this requirement will be relaxed in the future as the installed base increases and experience is gained with installation and platform issues.

Version 8.4 has been designed to operate with the Windows 2000 operating system. Database and operating system platforms are described below. (For detailed information regarding ISS45 software platforms, please see the current version of [Marketing Bulletin 1118](#), available on the ISS45 Dealer Web site.)

- Windows 2000 Server is the only supported operating system platform for ISS45 8.4 MFS1, with Windows 2000 Professional supported for MFS2 and additional Workstations. Windows NT is not supported for MFS1, MFS2 or Workstations.
- Windows 2000 Professional is the only operating system supported for use on TeamPoS 2000 PoS terminals with ISS45 8.4.
- Windows NT is the only operating system supported for use on TeamPoS 5000 terminals with ISS45 8.4.
- SQL 2000 is the only database supported.

Note that the use of Windows 2000 enables fully supported Terminal Server applications such as Mobile Computing.

System hardware platform requirements are as follows:

Product	Minimum MHz	Optimal MHz	Minimum RAM	Optimal RAM	Minimum Disk (above O/S)	Optimal Disk (above O/S)
V8 8.4 MFS1 (Windows 2000 Server)	Pentium III 600 MHz	Pentium 4 1.5 GHz	256	512	10GB	20GB
V8 8.4 MFS2 (Windows 2000 Pro)	Pentium II 266 MHz	Pentium III 600 MHz	128	256	4GB	10GB
V8 8.4 WinPoS (TeamPoS 2000) (Windows 2000)	Pentium 266 MHz	Pentium III 850 MHz	128	128/256 ¹	2GB	4GB
V8 8.4 WinPoS (TeamPoS 5000) (Windows NT)	Pentium 266 MHz	Pentium III 850 MHz	64	64	2GB	4GB

UPGRADES

Fujitsu has taken steps to minimize the upgrade cost and effort to bring the installed base of **V8** sites up to 8.4. There are no application software upgrade charges to go from earlier ISS45 **V8** installations (for example 8.3.1) to 8.4. Upgrading from Version 7 requires the purchase of the **V8** option, if this option had not already been purchased for the store in question.

Also, a special section of the 8.4 Installation Manual contains step-by-step instructions for upgrading 8.3.1 to 8.4.2 and it is *strongly* suggested that this process be followed verbatim.

Operating System and SQL database upgrades will be required:

- MFS1 and MFS2 will need to be upgraded to Windows2000. Most of these installations were actually licensed originally with Windows2000 and “side-graded” to NT for use with 8.3.1 – in these cases, no operating system licenses will need to be purchased.
- The SQL database in MFS1 and the MFS2 client will need to be upgraded to SQL 2000. Again, most installations purchased the SQL 2000 license and side-graded to SQL 7, so no additional licenses will need to be purchased for these installations.
- PoS terminals have no physical SQL database requirements. There are *no* SQL components loaded in an ISS45 PoS terminal.
- Most PoS terminals will be already loaded with the proper operating system – for 8.4, TeamPoS 2000 terminals require Windows2000, while TeamPoS 5000 terminals require Windows NT.

ISS45 8.4 ARCHITECTURAL ENHANCEMENTS

ISS45 Fuel: a new ISS45 Fuel has been developed and will be released over Version 8.4. This is *not* an interface, but a fully integrated set of PoS, office and pump functions, utilities and clerk screens that provides high-end fuel sales to as many PoS registers in the store as desired, with fully integrated sales, management, operations, accounting and electronic payments including

¹ 256 MB recommended for more demanding applications, such as dual displays or use of complex promotions.

pay-at-pump. ISS45 Fuel has been installed in over 250 fuel sites in user-specific configurations, and 8.4 will mark the first general and integrated release. Field trials for the ISS45 Fuel system are scheduled for the summer of 2002 and general release to fuel-qualified Dealers is planned for late summer. The ISS45 Fuel option will be available on ISS45 8.4 only.

Connected Services Interface: 8.4 is the first **V8** release to enable connectivity to Internet services such as anywhere-reporting, etc. More information will be released in the near future regarding these powerful tools.

OPOS: ISS45 **V8** now includes enhanced generic OPOS support, including dual scanners and RS-485 device interfaces. See OPOS Technical Bulletins [TECH-02:18](#) and [TECH-02:19](#) for details.

Windows 2000 Support: ISS45 8.4 operates under Windows 2000 Server in the office, enabling full use of Windows2000 Terminal Server for mobile computing applications.

SQL 2000 Support: ISS45 8.4 uses the upgraded SQL database.

Self Checkout interfaces: support for PSI Self Checkout is Generally Released over ISS45 8.4.2 (following the 7.7.1 release earlier). Code to support the SCOT system has been placed in 8.4.2 with General Release pending field trial.

ISS45 EPS: new hooks are available in this module for broader support of electronic payment systems. These will be validated and released as required for customer use.

e-Tickets: this module is designed to process external tickets files such as from home shopping (Internet) within ISS45 PoS. The e-Ticket engine detects files deposited on the store's server by external applications and sends these files to select terminals for ticket generation. E-Tickets are then generated by a virtual cashier and tendered under an e-Ticket tender. A file containing the processed e-Ticket results is created for export to the originating application. The e-Ticket engine is responsible for managing and monitoring file distribution and processing within the store application – all transaction data is available to all standard functions including store sales, media, cashier / PoS and movement reporting. Electronic Journal search capability is also available for e-Ticket orders. New files support this feature. Please note that use of this feature will almost always be customer-specific and involve chargeable customization and option licenses.

RBO interface: the RBO suite of back office applications has been interfaced to ISS45 8.4.

ISS45 8.4 FUNCTIONAL ENHANCEMENTS

Promotions: numerous changes have been made in the promotions area to simplify setup and use of ISS45's promotions and Advanced Promotions.

Touch screen for message boxes: every time a PPM message or error box appears on the cashier screen, the cashier will be able to clear it by touching it. WinPoS will respond to touch as if the soft key button was pressed – clear screen, prompt for manager, etc.

Alpha keyboard for PoS touch screen: Support of an alpha keyboard on PoS Touch Screen formats is now available. The alpha keys can be used for specific functions including PoS Item Search, ROA, & Paid Outs, as well as optionally for the Save/Recall feature.

Total Promotion: this simplifies the setup and use of promotions that are triggered by the order total as opposed to specific items. "Total" promotions have been available in earlier versions, but users often were confused by its use and attempted instead to cross the promotion with a huge range of items or departments. This new form of promotion is based on Enhanced Promotions, with a limited set of straightforward options.

Express PoS mode: a PoS can now be put in “Express Mode” so every transaction rung in this mode will be marked as an express order. (Keyboard function 1100 can be used from either the sales menu or back office menus. The parameter for Express order size must be set to 0.)

Food Stamps and Vendor Coupon tax forgive: A new parameter allows cash change when vendor coupons are used with food stamps.

New rounding options for multiple selling units: the California-mandated 3-for-\$1.00 (33/34/33) option is now available for selection. (System administration, POST Setup, General Post Parameters, - Scanning page MSU Rounding Option.)

Color PoS Printers: enhanced support for two-color printers has been added.

Loyalty receipt: Total Discounts in “Your Savings Today” will only include member card promotion savings. The Bonus Buy value was changed to include all promotions IF you are not a Frequent Shopper.

New coupon-required promotion (e.g. turkey promotion): a new parameter has been added under General/Parm/Store/POST/Monetary/General: Coupon Required Number to trigger after the Total (9999999901171). An Enhanced Promotion is set up for this number for a one-time reward. The coupon-required promotion is triggered after pressing the Total key, and uses the coupon number from the office’s ‘Coupon Required Number To Trigger After Total’ to trigger the promotion. (Note: put another way, the general scheme is that the coupon needed for the promotion will not be scanned but will automatically enter to the system (from the parameter) after the Total key is pressed – any promotions waiting for that coupon as a trigger will then execute.)

Zero suppressed UPC-E parameter: if this new parameter is set to YES, then the user can enter a compressed UPC of 6 or 7 digits (with no asterisk) and it will automatically be expanded. It will still look up an expanded PLU if the user enters an asterisk in YES mode. If the user actually needs to find a normal PLU of length 6 or 7, and the sys parameter is set to YES, they must enter leading zeros or it will automatically be expanded. If this parameter is set to NO, the user enters “*0” followed by the 6 digit compressed UPC to get the expanded PLU. (General System Parameters\Front Office\PLU & Batch\Operation called 'Perform expansion of PLU input of 6 or 7 digits', value of YES or NO.)

Loyalty changes: Total Discounts in Your Savings Today (on the receipt) now include member card promotion savings only. The bonus buy value includes all promos if the store does not use loyalty cards.

Coupon-required promotion: a parameter has been added to allow a coupon-required promotion to automatically be entered when total is pressed.

Tare weight business rules: a new business rule applies to tare weight value by weight for the weight not to exceed 30 lbs. A new business rule applies to tare weight value by percent for the percent not to exceed 99.99%.

Department analysis detail report: this report can now be selected for a specific period and a range of dates.

2 x 20 cashier display: WinPoS will now support a Windows display resolution of 800 x 600 when the PoS is configured with only a 2x20 cashier display.

Cash-in-drawer audible warning: a new parameter allows the terminal to beep 10 times when the predefined cash in drawer limit has been exceeded. (General System Parameter Tree under POST\Operational\Drawer.)

Bonus Coupon in PLU Search Criteria: in the search criteria screen, you can now filter the search criteria using flag types list (line no.18 in the grid) with the “Bonus Coupon” flag.

Rewards: a new promotion reward type, “New Price per Quantity” has been added.

STOP button for batch execution: can be used to stop execution of big batches. Once you stop a batch in mid-execution you will see that the non-executed records still have "Ready" status.

Omit add loan: this new system parameter has been added. See "Omit Add loan" screen when logged in as supervisor/store manager.

Promotions with split pricing: member/advanced promotions can now use split/MSU pricing such as 3-for-\$1.00.

Cashier Maintenance screen to exclude personal information: a new parameter can show or hide cashier personal information. By default this flag is 0 (see all info). If the flag is turned on, users will see the only 2 first fields.

Fast PLU Batch Maintenance: in the past, when you entered a Fast PLU batch to update a PLU, then changed the PLU number to another PLU number to update, the price was not changed. Now when the PLU number is changed, the correct price is implemented.

Loyalty card template: a new template was added to enable changes to the "You could have saved messages".

Exiting from forms: the user can now exit the following forms using the "ESC" key:

- Bank Deposit
- Bank Receipt
- Safe Declaration
- Safe Transfer
- PoS Monitoring
- Send Ticket by E-mail

ISS45 8.4 UTILITY AND SYSTEM ENHANCEMENTS

Hidden menu for support personnel: access to the TECH START menu on touch screen PoS formats has been changed – click or touch five times in the upper left corner of the splash screen at WinPoS startup.

System Parameter Tree: enhances the user's ability to manage the large variety of system parameters in ISS45.

Run EXE file from menu: EXE files can now be run from the application menu.

SQL maintenance utility: at every end-of-week close, the system will now automatically run the SQLMaint utility which includes: shrinking and re-indexing the database, shrinking and backing up the Front Off, Master and MSDB databases.

If a loyalty card store, the bonus buy amount can include any non-member card promos.

PLU and promotion file backup: added to the data backup stream is a new option which allows the PLU file and the promotion file to be backed up separately following the critical part of End of Day. This new backup feature provides for more flexible recovery of this data in the event of disaster.

Performance improvements: general performance has been enhanced across the board to further speed both PLU response time and system capacity. In addition, a specific change has been made to the order-end sequence to trigger the cash drawer faster after finalizing the transaction.

LAN monitoring: is now in standard **V8** format instead of the previous Version 7 format.

System CRC enhancements: a new Alert is provided in case rebuilding of a QDX file has failed. A warning message in Service Monitoring is created on a QDX file build failure. The log has

been enhanced to show more details of the failure (disk full etc.) The Pcmcrs can be run from Tech Support utilities or from a command line and create a log in the pcmaster\log directory.

Batch file utility: a new routine checks batch file validity, comparing the name of the batch file to the number of the batch in the batch header was added.

File handle checking: ISS45's OLTP system now checks all file handles for proper status during EOD on MFS1/MFS2.

ECCA table maintenance: a new parameter allows the deletion of accounts written to the ECCA table based upon a user-defined period when using a bar-coded tender such as Coinstar.

PLU and general batch validation option: a new parameter allows validation of the batch header name to the batch name.

EOD screen: the EOD in progress screen has been changed to display the time elapsed from the Start of End of Day.

Change user password after X days: the new PWD_CHANGE_DAYS parameter controls whether or not to ask the user to change the password. If set to 0, the application will not ask user to change password. If set to other than 0 it means that user is required to change the password. The new password has to differ from old password. (Located under general system parameters /secure/Number Of Days for password change)

Maximum number of items in local batch: a new parameter has been added to general parameters - "Determine the maximum amount of items in a local batch". The default value is 600. This parameter will affect 3 areas:

- a. PLU selection criteria: Edit some record in the grid, choose ranges for some criteria and then click Batch button. If you click on List button, you will see all the items. If the number of these items is larger then the parameter, a message will appear and you will not be able to create the batch.
- b. PLU batch maintenance\PLU batch item maintenance. When you click on 'New' (item), the screen will not appear and a message will show up.
- c. Fast PLU Batches. When you click on 'New' (item), the screen will not appear and a message will show up.

PLU description match parameter: a new parameter in PLU maintenance will force the long description name to match in length the short description (20 characters).

System parameter changes:

- Password required to access front office and POST parameters.
- "End of year" was changed to 2 drop down list: "end of week's day" and "end of year's month". Both under end of day/general.
- CC for log off when un-recalled tickets found.
- Charge posting parameters not allowed being null.
- Food stamps tender is now by group of food stamps.
- "EAN 99 coupon in system" and "99 vendor coupon in system" are not allowed both to be turned on simultaneously.

Limit Maximum number of items in PLU local batch: the default value of this parameter has been changed to 99999999 from the old default of 600.

Reject folder: A 'reject' folder is now available for batches that were rejected by the system due to header being incorrect.

New date format: formats d/m/yy or m/d/yy are now supported on the POST only.