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SX-805/8005/8505 03 type SX-705/7005/7505 03 type

Hospitality ePOS Terminals
for Restaurants, Bars / Pubs,
Fast-Food Stores



SX-7k8k series are powered-up version of our UX-7000 series. SX-7k8k series are new EPoS terminal with 5.7" Quarter VGA LCD (Available with a choice of color or mono in total of 6 types) equipped.

User friendly screen with 'window like indication' of the front display provides you great advantage of easy operation by clearly showing the status of transaction, such as clerk ID, Menu/price level, Bill/Table# etc., and registered items by just one glance. Color display types accurately prompt the operator to smooth out the sales transaction with customized color of crucial messages.

Rich interface ports assure expandability to various peripherals. While covering wide range of hospitality requirements, new functions such as Orderman and UniSmart interface, Delivery/Eat-in/Take-out delivery system, Split Bill, etc. and more outstanding features are available.

Optional interface with Uninet (Ethernet) enables 10M bps high speed IRC communication to meet any busy environment with heavy data transfer between ECRs, printers and PC. Uninet also offers significant functions, such as Table plan with complete table management prompting operators to control and understand table status of multiple locations in real time, Journal data monitoring using UDP streaming function, Flash ROM update from remote office, report polling/pushing-up using FTP functions, etc.

The SX-7k8k systems provide operators with the cutting edge required in today's highly competitive moving market.



SX-805



SX-8005



SX-8505



SX-705



SX-7005



SX-7505

Major Features of SX-7k8k-03

- 5.7" COLOR (Mono-color) Quarter VGA (320 x 240) LCD
- Standard 3,200 PLUs, Max. 19,000 PLUs (memory shared)
- 32 character PLU description
- Max. 165 Look UP PLU to be allocated on keyboard
- 8 major groups, 48 groups, 8 categories
- Automatic menu/Price shift (5 levels)
- Billing system
- Table number system
- 8 Locations
- Standard 20 clerks, max. 255 clerks (memory shared)
- Clerk Time & Attendance (32,000 records)
- 255 Condiment groups
- 72 Condiment PLUs per group
- 64 Cooking instructions
- 2 Modifiers
- 2 Adjustments
- 10 Arrangements/Macro (50 steps each)
- 3 Percentages
- 19 Foreign currency
- Max. 9999 Customer files
- Card functions: Clerk card, Customer card, Media card, Macro card, Room card, Table card
- Topping feature
- Seating system
- Drive through
- Training mode
- Take out/eat in system with combo menu
- Clerk open track list
- Clerk track transfer
- Automatic order number *
- Broadcast clerk time & attendance
- Scanner connection
- IRC program downloading
- ECR text translation for localization *
- Magnetic iButton (option)
- WaiterPad I/F (option)*
- Interface for External Key Input Device / Remote Operation Device *
- Customer invoice *
- Table plan **
- Flash ROM firmware update via PC-IRC *
- Flash ROM firmware update from remote office by modem or Ethernet **
- Journal transfer/monitoring by UDP streaming function **
- Report polling/pushing-up and program maintenance by FTP function **
- Screen saver *
- PLU quantity and Kg weight to three decimal places
- Weight/Price embedded bar code *
- Interface with "Orderman" handheld terminal + Infineer smart card "UniSmart" *
- Program Loader PLM 2000 supported
- EPOS Alert supported **

*/** only for SX-7k8k series 03 type Flash Firmware
** may require additional memory board installation

Inter Register Communications

- 32 ECRs
- High speed Ethernet communication (option)
- Flash reports and flash program downloading
- PC communications with Tensai2000
- 8 kitchen printers
- 8 slip printers

» [More details](#)



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Major Features

Quarter VGA LCD

Quarter VGA LCD as front display. Choice of Color or Monochrome type available. Resolution is definitely higher.

Window-like indication Menu such as clerk ID, menu level, price level, Bill #, Table #, etc., are indicated and neatly arranged in frame like window. It helps operator to find the status of transaction by just one glance.

Graphic indication

Enlarged display of a PLU registration by flag selection.

Color indication (for color type display)

Color distinction of message such as red color for Void/ Refund. Free personal customization of screen by color will be available in later versions.

Uninet High Speed IRC communication (option)

With optional Ethernet interface, High Speed IRC communication among EPoS terminals is accelerated! TCP/IP protocol is expected to be used in the future.

Expandability in its network

Standard interface are 1 x RS485 and 2 x RS232C. Optional Interface are 2 x RS232C. PC, remote receipt/kitchen/slip/report printer (max. up to 8 units), bar code scanner, magnetic card reader, 1st/2nd drawers are connectable. Up to 32 units EPoS terminals can be connectable on its IRC line.

Magnetic iButton (available from 3rd party)

Magnetic probes and key ensure solid electrical and mechanical contact when quick and easy access is necessary in point-of-sale systems. They are especially useful in food stores, cashier systems at restaurants and bars.

WaiterPad I/F (Option) *

The WaiterPad system, developed by PalmTeq, is set to revolutionize the way the hospitality industry operates. The WaiterPad system incorporates the use of electronic hand held ordering devices to assist wait staff take and relay orders to the preparation areas by wireless transmission. Now SX-7k8k series 03 type is interfaced with this excellent system.

Customer File

Up to 9999 customers' TEL number, VAT #, name, address can be recorded. Very convenient when issuing the bills with these information, especially for delivery service and frequent customers who require the bill with their name and VAT # printed.

Split Bill

Stored items on a bill can be transferred to four bills at a time.

Delivery/Take Out/Eat In System

Convenient for the business where different prices are adopted depending on the way of sales - for instance between Take Out and Eat In. There are keys EAT IN, TAKE OUT and DELIVERY to be pressed to indicate the way of sales for a transaction, which is shown on the front display and printed as the header on each receipt. You can program different price levels to "EAT IN", "TAKE OUT" and "DELIVERY", which is automatically adopted. Thus you can have the analysis of transaction sales data of "EAT IN", "TAKE OUT", "DELIVERY" and PLU sales data of each price level. You can even make settings for automatic Tax shift and Kitchen printer for Delivery/Take out foods, etc.

Clerk Open Track List

For easy track pick up, the clerk will see his/her open track list immediately after the sign-on operation or by pressing CLERK TRACK LIST key.

Clerk Track Transfer

Clerk Track Transfer is used for a clerk to take over the pending tracks (closed by New Balance) used by another clerk who has finished his job.

Automatic Order number

Three digits automatic increment order number (1-255) is useful for quick service industries when customers need to wait for foods for a few minutes.

Broadcast Function

This is a function to update all ECRs in the IRC network in real time the related data of such as Customer File, Clerk Time & Attendance, Clerk Track Transfer, etc.

Clerk Time and Attendance + Labor Cost Feature

This function allows to record employee working hours (Log in/out Time) and calculate labor cost for each clerk.

IRC Monitoring

Enables you to monitor other ECRs electronic journal in real time on the display of your ECR. Good feature to watch the operations of clerks.

IRC with DX,TX,SX-03 type coexisting

They can share same contents for most of programming items and IRC reports, floating track/clerk as well the same IRC (Inter Register Communication) line.

Flash IRC Report

Separately from the conventional flash CID report menu for IRC Cash In Drawer report, all IRC reports can be taken in the X position as the read-only flash report.

Optional Uninet (Ethernet) Communication

Optional Ethernet interface enables High Speed IRC communication among EPoS terminals, UDP streaming functions, FTP functions by TCP/IP protocol.

Customer Invoice

Some customers want to make payment once a month or week, etc. They want to know the date and amount or even details of transactions made in a certain period on a single invoice. This is quite seen for hotel room, company's cafeterias, etc. Customer Invoice function meets this requirement. The concept is:

- Link tracks with Customer Files
- Keep details of tracks, such as items, date, balance until closed by media.
- Print selection of Short Invoice with only date/balance or Detail Invoice with item information included, of course with the header of Customer File - name, number, address, etc.

This function can be fully utilized, for example, at a hotel. All the charges during a stay in a hotel such as room charge, meal charge and any conceivable charges will be stored until total amount is settled at the check-out desk. Upon settlement of the account recognized on a single invoice.

Table Plan

Table Plan enables complete table management covering multiple locations and different range of tables per clerk. Table status can be known by color - reserved, seated, ordered, check-out bill issued, paid, cleaning, vacant. In server-client system configuration, the status of all the tables is updated on the server in real-time, which facilitates the reception (server) to grasp the status always. Using Customer File makes it easier to assign a customer to a table and even issue Customer Invoice with details of transactions and customer informations.

ECR Text Translation for Localization

Most of fixed texts used on display/printing can be changed to local languages on your end if you use special tool "TextTran".

Flash Memory Advantages

It has Flash memory which creates tremendous program capacity and provide you the ease with remote update from a remote PC via modem communication. It will reduce the time and cost very much.

Flash ROM Data Update via PC-IRC comm.

Thus far, when updating flash Rom for multiple ECRs, one needed to connect an ECR to PC via RS232C to update one by one. It was certainly time-consuming. This new feature offers automatic-downloading of flash Rom data to all ECRs in IRC line (RS485 or Uninet) via the master ECR connected to PC with RS232C by using Loader-2000/PLM 2000.

Flash ROM Firmware Update from Remote Office via Modem or Ethernet

There are two approaches to download Flash ROM firmware to the ECRs:

1. Update for all ECRs: Client PC sends Flash ROM firmware data to the master ECR and the master ECR sends it to the slave ECRs.
2. Update for individual ECR: Client PC sends Flash ROM firmware data to each ECR.

PLU quantity and Kg weight to three decimal places

Now supporting kilogram scale with PLU quantity and Kg weight having three decimal places.

Screen Saver

Your favorite graphic images can be shown as screen saver on LCD one after another. (Max. 3 kinds of VGA Bit Map files)

Price/Weight Embedded Bar Code

The bar codes having function codes 02, 20 ~ 29, 37 (12 codes) are used for the in-store marking code and **five of 12 function codes** are available. Convenient for take-out or prepacked products, such as sandwiches, fried chickens, etc. that are sold by weight, or commodities with price included in their bar code, such as magazine, etc.

Journal Transfer/Monitoring by UDP Streaming Function

The ECR will be able to stream data to up to two different PCs, or any other targets that have IP addresses and able to interpret UDP data packets (User Datagram Protocol). The data streaming is available in two formats.

1. Printed journal text data - as available serially.
2. Coded EJV data - new.

This function enables real time monitoring of terminals.

Report Polling/Pushing-up and Program Maintenance by FTP Function

Report taking/sending is possible through TCP/IP network. The report format contents are compliant with the conventional RS232C serial communication.

1. FTP client PC selects reports on the report list and receives them from FTP server ECR.
2. FTP client ECR sends the assorted reports to FTP server PC by End of Day procedure.
3. FTP client ECR sends the assorted reports to FTP server PC at a set time automatically.

There are two approaches to update the program on the ECR:

1. FTP client PC sends the program update file to the ECR anytime.
2. FTP client ECR automatically updates its own program after sending the assorted reports to server PC by End of Day procedure if there is program update file on the server PC.

Interface for External Key Input Device (Option)

Various external data input devices can be connected now, such as handheld terminal, drink dispenser, card reader terminal, etc. It is up to you what kind of terminal you connect so long as key input data is simulated.

Interface with "Orderman" Handheld Terminal

Quality handheld terminal "Orderman" from think-dig is now working with single or even multiple DX-890, TX-870 and SX-7000/8000-03 series so that you can share tables between ECRs and Orderman handhelds.

Interface with Infineer Smart Card "UniSmart"

Smart card solution at reasonable price, "UniSmart" from Infineer is now available. The system offers electronic purse and loyalty solutions with back office utilities.

EPOS Alert supported

Real Time Manager Paging is now possible by Epos Alert offered from Uniwell Systems UK. Live journal data from the EPOS terminal is streamed to a back office PC as each transaction takes place at the point of sale. The EPOS Alert software collects and analyses this data in real time. The live journal data can be displayed on the screen of the back office PC.

EPOS Alert can be configured to monitor transactions according to predefined criteria. For example, you may wish to monitor any voids or error corrections above a certain amount. As soon as a transaction occurs, that meets the predefined criteria, it is highlighted on the screen of the back office computer. A wireless paging system can be configured as part of the system so that as soon as an alert is recorded a message is automatically sent to a specific pager identifying the EPOS terminal, operator and a description of the alert.

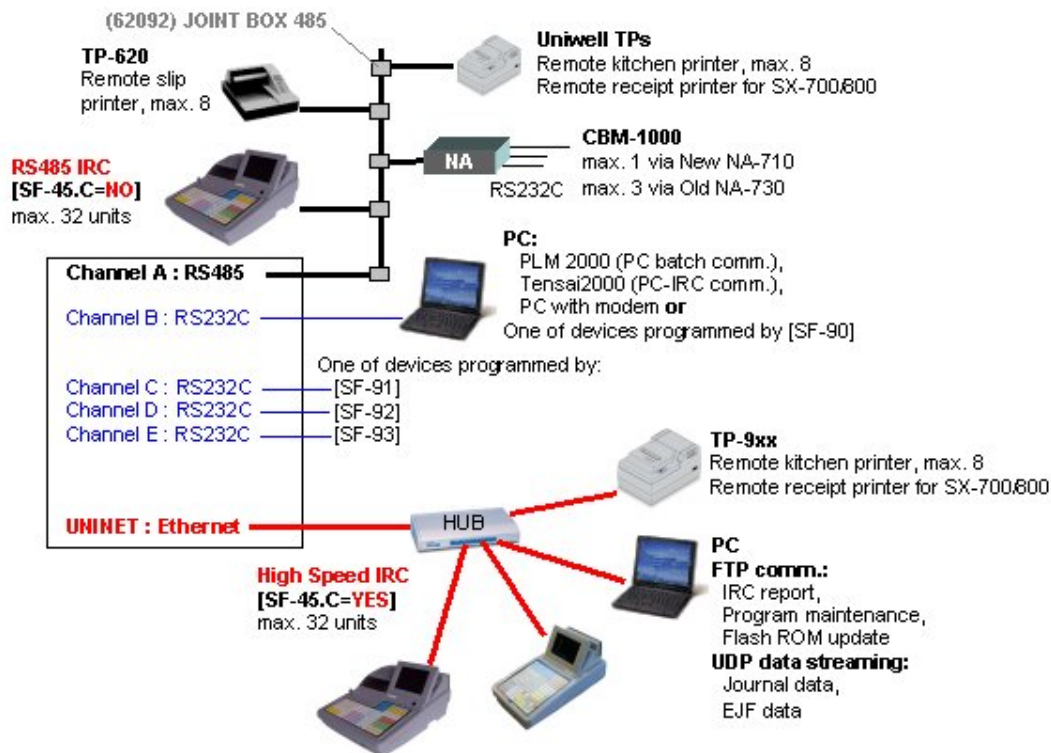
Hardware Specifications of SX-7k8k

Front Display	SX-705/7005/7505	5.7" Mono-color Quarter VGA (320 x 240) LCD
	SX-805/8005/8505	5.7" COLOR Quarter VGA (320 x 240) LCD
Rear Display	Standard	1-line 12 digits numeric
	Option	2-line 16 digits dot matrix
Printer	SX-7005/8005	2 station thermal printer EPSON M-T245 (45 mm x 2)
	SX-7505/8505	1 station thermal printer CITIZEN LT-1320 (80 mm x 1)
	SX-705/805	No printer
RAM Capacity (for details)	Standard RAM	4 M bit RAM chip x 2 (1M byte) 4 M bit RAM chip x 4 (2M byte) for MKII
	Optional Memory Board	(62110) MR041 K-UNIT (4M byte)
Dimension	SX-7005/7505/8005/8505	378(W) x 440(D) x 200.5 to 260(H) mm (Display angle adjustable)
	SX-705/805	248(W) x 442(D) x 234.5 to 277.5(H) mm (Display angle adjustable)
Weight	SX-7005/7505/8005/8505	approx. 6.7 kg
	SX-705/805	approx. 4.6 kg
Power Supply & Consumption	SX-7005/7505/8005/8505	AC120V 1A, AC230V 0.4A
	SX-705/805	AC120V 0.4A, AC230V 0.2A
Temperature	Operation	0° ~ 40°C (32° ~ 104°F)
	Storage	-20° ~ 60°C (-4° ~ 140°F)
Memory Protection		3 months

System Configuration of SX-7k8k-03

Max. 32 units of ECR can be connected on the IRC line.

Max. 8 kitchen printers and 8 slip printers are also available on the IRC line.



Uninet (Ethernet): option

Ch-B~E (D, E: option)

One of following devices connected:

- PC (channel B only)
- Local receipt printer for SX-700/800
- Local KP
- Local slip printer (PC printer)
- Scanner
- Journal data transfer
- Remote operation device
- EFT terminal
- Scale
- Cashless device: Infineer terminal

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