

The MA-1650 Expandable System



The new TEC MA-1650 is an advanced Product that offers an expandable building block concept.



This expandable concept allows easy and planned growth to POS type features including, but not limited to bar code scanning and PC communications at a very attractive price.

The TEC MA-1650 is a highly sophisticated and versatile system with an extended range of POS features and capabilities. The TEC MA-1650 can be used in a fully independent standalone application or as an integral part of a sophisticated retail system. High profile system level features include bar code (UPC) scanning, inter-register communications, high order communications (PC), data capture, and comprehensive report compilation.

The TEC MA-1650 can be used to create a Master/Satellite system of up to sixteen (16) terminals without requiring an in-store controller. Best of all, these extensive system capabilities are available in a product that is very affordable.

Multiple Model Availability

The MA-1650 is available in multiple basic models. All models feature a raised keyboard, the new TEC Receipt/Journal Printer, a large cash drawer with media slot and other advanced and useful hardware features. The hardware features that will differ in the basic models being offered are: single line vs. two line operator display and single line vs. multiple line receipt/journal printer validation (check endorsement).

Programmable Keyboard

The TEC MA-1650 offers a fully programmable keyboard with a maximum of 88 key positions. You can organize the keyboard to meet your specific application requirements and for optimum cashier efficiency.

Easy-To-Read Operator Display

The operator display is offered in two (2) user friendly and easy to read versions. The basic operator display features a single line of ten (10) large size 7 segment numeric characters and eight (8) tri-mark descriptors to denote various system statuses.

An enhanced operator display contains all of the basic display features plus a second display line of sixteen (16) alphanumeric characters. A sixty-four (64) character scrolling message can be displayed on the

alphanumeric line. The enhanced operator display is a factory option.

Easy-To-Read Customer Display

The customer display is offered in two (2) variations, depending on your application needs. Standard display - the standard customer display features a single line of seven (7) large size 7 segment numeric characters and three (3) tri-mark descriptors. The display is designed to pop-up and swivel to provide the ideal customer viewing situation.

The optional customer display contains all of the standard display features plus a second display line of sixteen (16) alphanumeric characters. A sixty-four (64) character scrolling message can be displayed on the alphanumeric line.

High-Quality Dot Matrix Printer

The TEC MA-1650 is equipped with a new and very capable TEC developed receipt and journal printer. The printer produces highly legible and well organized receipt and journal tapes in a generous twenty-four (24) column print format. Many very useable features, including but not limited to the following, are provided.

- 24 Character Alphanumeric Receipt and Journal Print

- 4 Line Store Address/Logo
- Logo Stamp
- Multi-Line Validation For Check Endorsement (Factory Option)

And best of all, this printer includes TEC quality and prints at an industry leading four (4) lines per second.

Cash Drawer

The MA-1650 features the TEC Cash Drawer that has become the envy of the industry. Among the many features that make this drawer special are:

- Large Size



Programmable Keyboard

- Very Sturdy Construction
- Stainless Steel Front With Media Slot
- Manual Release Lock with Cover (For Security)
- 5 Bill/5 Coin Compartments
- Can Be Remoted From the Base Terminal

Inter-Register Communications (IRC)

The MA-1650 can be configured in a Master/Satellite System by utilizing the very capable IRC feature that can be provided as a field option.

The IRC option uses an RS-485 multi-drop protocol running at a fast 1 Mbps communication speed to provide the required communications to up to sixteen (16) terminals.

A Variety of Optional Equipment

The MA-1650 is an intelligent, standalone terminal which comes complete and ready for immediate operation. However, a number of system options are available to help you expand your base MA-1650 unit to a full system that is tailored to meet your exact needs.

The following is a list of these options:

- Checkstand Scale
- External PLU Keyboard
- Alpha Keyboard Programming Tool
- Push Stay-Down Clerk Keylocks
- Up To Four (4) Cash Drawers
- Program Load/Save Device
- Slip Printer
- Alphanumeric Customer Display
- Hand Held Or Fixed Scanner
- Inter-Register Communications
- PC Communications

Management Security

The MA-1650 provides the maximum in system security for both the business owner and the terminal operator. Some of the notable security features of the

MA-1650 are:

- C-MOS Memory With Long Term Memory Retention
- Seven (7) Position Control Lock
- 4 Digit Code or Physical Key For Cashier Control
- Manual Drawer Release Under Lock Control
- Non Resettable Group Totals

In addition to the above, a wide range of security features/options are included in the standard application.

Many Application Features

The application features of the MA-1650 are developed by the TEC Corporation utilizing their many years of retail application expertise to bring you the most capable and highest quality features.

The MA-1650 terminal can be configured to include a very wide range of application features that will allow this product/system to effectively provide solutions for a wide variety of retail market applications such as C-stores, liquor stores, small grocery stores, and general retail outlets.

The following is a listing of some of the more notable features of the MA-1650.

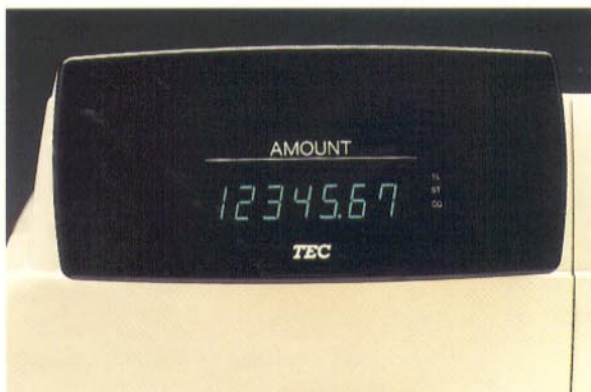
- Departments
 - 99 Maximum • 10 Major Groups
 - 30 Minor Groups • Hash Departments
 - Preset Departments
 - Negative Departments
 - Gasoline Departments
 - 16 Character Alpha Description
- PLU's
 - 1500 - Base Terminal
 - 65,000 Maximum with Memory Expansion Option
 - 16 Character Alpha Description
 - Hi-Cone Feature (Scanning Only)
 - 255 Mix & Match Groups (Scanning Only)
 - Scaleable Status • PLU to PLU Linking
 - Other Income Status
 - Lock PLU (Seasonal Items)
 - Negative PLU's • 99 PLU Groups
- Cashiers (Operators)
 - 15 Maximum On Base Terminal
 - 99 Maximum With Memory Expansion (Option)
 - Full Floating Or Semi-Floating
 - 4 Digit Code Entry Or Push Stay Keys (Option)
 - Individual Cashier Keys
 - 12 Character Alpha Description

- Salespersons
 - 99 Maximum Per Terminal/System
 - 12 Character Alpha Description
- Media Keys
 - 10 Functions (Including Food Stamps)
 - 12 Credit Card Totals
 - 12 Character Alpha Description
 - Preset Cash Tenders
- Customer Charge Files
 - 1000 in Base Terminal
 - 3000 Maximum with Memory Expansion Option
- Negative Check/Card File
 - 3000 Check Numbers Maximum with Memory Expansion Option
- Post Receipt For Up To 50 Lines
- Hold And Recall (one transaction)
- All Void
- Currency Conversion (5 Maximum)
- Function Keys (Macros)
 - 10 Inputs Per Table • 10 Tables
- Check Endorsement
 - Via R/J Printer (Enhanced Model Only)
 - Via Slip Printer
- Back Up Master Function
- Batch Data Capture
- Drawer Open Alarm
- Media In Drawer Pick Up Limits
- Four (4) Tax Tables

Management Reports

A wide range of management reports are available from the MA-1650 to allow you to more effectively run your business. The range and accuracy of the reports provided by the MA-1650 will speed and simplify most management tasks, while improving the efficiency of your entire operation. Reports offered by the MA-1650 are:

- Departments
- Department Groups
 - Major • Minor
- Financial
- Cashiers
- Salespersons
- Credit Card Type
- Hourly Range (24 Segments)
- PLU's
- PLU Groups (99)
- Customer Files (Read Only)



Single Line Customer Display



Two Line Customer Display

- GTX And/Or GTZ
 - Financial • Credit Card Sales
 - All Departments • Cashiers & PLU's
- Combination Reports (Report Command Strings)
 - 3 Tables (5 Reports Per Table)

PC Communications (Terminal)

The MA-1650 can be configured with the (optional) PC Communications feature. This feature allows batch communication between the PC and the Master MA-1650 Terminal so that the following types of functions can be performed:

- Sending Of Programming Data From The PC To The MA-1650 System.
 - Retrieving All Totals And Data Capture Data From The MA-1650 To The PC For Report Generation.
 - File Maintenance Of The PLU File In The MA-1650.
- Communications speeds can range from 1200 to 9600 BPS.

Managing Your Business With PC Communications Software

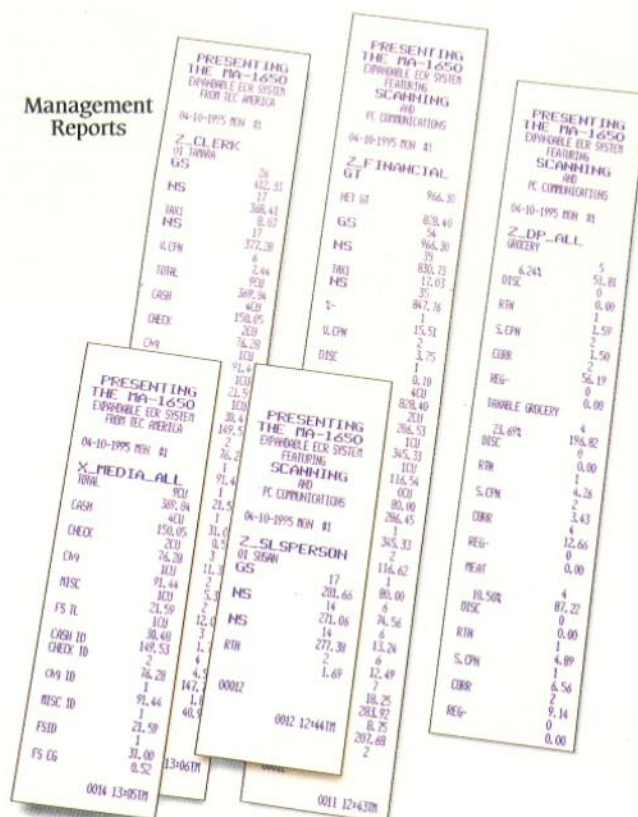
TEC America offers *TECConnect™* and *Simple Retailer™* Software packages to complement the MA-1650 system. These software packages provide a range of functions from basic communications, reporting and file maintenance via the *TECConnect™* package to those features *Plus* full inventory, purchase order generation, accounts payable, accounts receivable, general ledger and other useful reports via the *Simple Retailer™* package. By taking advantage of the MA-1650 and of these capable software packages, you can realize a total system that will be of tremendous help in managing your business.



Single Line Operator Display

SPECIFICATIONS

Dimensions:	Height: 348 mm (13 3/4")
	Width: 460 mm (18 1/2")
	Depth: 450 mm (17 3/4")
Weight (with carton):	18.5 Kg (40.8 lbs.)
Weight (Terminal only):	16.5 Kg (36.4 lbs.)
Power Consumption:	46W Maximum 19W at idle
Power Required:	AC 117V (±10%) 60Hz
Ambient Temp:	32°F-95°F (0°C-35°C)
Relative Humidity:	10% to 90%
Receipt & Journal Tape Dimensions:	45mm W x 80mm D



Management Reports

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TEC America, Inc. TEC Canada, Inc.



Corporate Office/Atlanta Sales
4401-A Bankers Circle, Atlanta, Georgia 30360
Tel: (770) 449-3040 • Fax: (770) 449-1152

Chicago
1835 Hicks Road
Rolling Meadows, Illinois 60008
Tel: (708) 991-2190 • Fax: (708) 991-2985

Los Angeles
2771 Plaza Del Amo, Suite 807
Torrance, California 90503
Tel: (310) 782-9600 • Fax: (310) 782-9848

Northern California
P.O. Box 1605
N. Highlands, CA 95666-1605
Tel: (916) 726-6332 • Fax: (916) 726-5633

Dallas
P.O. Box 117027
Carrollton, Texas 75011-7027
Tel: (214) 492-3385
Fax: (214) 492-9224

New Jersey
30 Chapin Road, P.O. Box 867
Pine Brook, New Jersey 07058
Tel: (201) 882-0822
Fax: (201) 882-1396

Head Office
370, Britannia Road East, Units 1 & 2
Mississauga, Ontario L4Z 1X9
Tel: (905) 890-8283 • Fax: (905) 890-0082

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