

# SAM4S

# SPT-7650



*Theater Concessions / Ticket Booths / Box Offices*



*Dusty Environments Like Pizza and Bakeries*



*Cafeterias / Quick Service Restaurants*



*Tobacco Stores / Bars / Liquor Stores*



*Convenience Stores / Small Grocery Stores*

## Space Saving Highly Integrated POS Terminal



The fully integrated SAM4s SPT-7650 POS terminal features a 15" true flat screen, card reader, power supply, thermal printer, and can be configured with an available integrated barcode scanner and/or fingerprint reader. With a 10½" wide by 12" deep footprint the SPT-7650 is ideal for POS applications where counter space is at a premium such as ticket offices, concessions and convenience stores.

- Intel Braswell Celeron N3160 **Quad Core Fanless** Processor
- Projected Capacitive Touch (PCT) – PCT is Inherently Faster, More Reliable and Robust
- Solid State Drive for Optimum Performance and Reliability
- Standard Integrated Thermal Receipt Printer and MCR
- Optional Integrated Barcode Scanner
- Optional Integrated **Digital Persona®** Fingerprint Reader
- Optional 2 Line by 20 Character VFD, 9.7" or 15" LCD
- Integrated Customer Displays
- Optional WiFi Module
- **Integrated Power Supplies**



### Highly Integrated POS Terminal Components

#### Standard Integrated Ellix 40 Printer

The compact integrated thermal receipt printer incorporates user friendly features such as anti-jam technology and drop-in paper loading.

- 220mm per second print speed.
- Stores/prints user defined graphic logos, coupons or advertising messages.
- Prints watermarks.
- Printer supports both USB and serial interfaces.
- Connects to an internal USB port or to COM3 port with included cables.

#### Integrated Barcode Scanner Option

The SAM4s SPT-7650 Series can incorporate a compact scanner connected to a dedicated internal USB port:

- The **2D Scanner** is an omni-directional area imager bar code scanner. It uses digital imaging technology to provide intuitive and fast reading of 1D and 2D bar codes and supports advanced features like image capture de-activation. It supports up to 500mm reading depth of 1D and 2D barcode, its scan rate is up to 120 scans per second – two times faster than traditional 2D imagers. It is ideal for any retail and logistic environment.

#### Integrated Fingerprint Reader Option

The self-contained U.are.U 4500 Fingerprint Reader Module from Digital Persona® optically scans the fingerprint when the user touches the glowing window. Optical technology provides the highest quality fingerprint scans and reliability.

- Blue LED (in idle mode).
- Excellent image quality.
- Latent print rejection and counterfeit finger rejection.
- Works well with dry, moist or rough fingerprints.
- Connects to a dedicated internal USB port.

#### A Variety of Integrated Customer Facing Display Options

**VFD Customer Display** – Build a strong relationship with your customer by clearly displaying each item as it is registered. Customers can easily monitor the transaction as it is entered, clearly viewing the price of each item. The SAM4s display provides two lines with 20 characters per line, so that both the price and the description of the item are displayed simultaneously. With each transaction closely monitored by the customer, the opportunity for employee theft and fraud is limited.

- VFD 2 lines of 20 columns.
- 9.15mm high x 5.45mm wide character size.
- User-defined and international character set standard.
- Supports all popular emulations.
- Connects to a dedicated internal powered serial port.

**LCD Customer Displays** – SAM4s customer facing displays can be used to display transactional information such as pricing, product description, receipt totals, etc. Or use the display for customer-facing marketing like promotional messages and images. The customer facing LCD displays will display full color graphics and video via the VGA port. The displays receive power from the terminal so there is no need for a separate power adaptor “brick”.

#### 7" LCD

- 800 x 480 resolution.
- 250 cd/m<sup>2</sup> brightness.

#### 9.7" LCD

- 1024 x 768 resolution.
- 250 cd/m<sup>2</sup> brightness.

#### 15" LCD

- 1024 x 768 resolution.
- 250 cd/m<sup>2</sup> brightness.



# Terminal – Ideal for POS Applications Where Counter Space is at a Premium

## Touch Terminal Specifications

<b>Processor:</b>	Braswell Intel Celeron N3160
<b>Cores / Threads:</b>	Quad Core / 4 Threads
<b>Cache Memory:</b>	2MB
<b>Display LCD:</b>	True Flat 15" LCD with LED Backlighting
<b>Resolution:</b>	1024 x 768
<b>Brightness:</b>	Adjustable Up to 250 cd/m <sup>2</sup>
<b>Integrated Speakers:</b>	Integrated 2 Watt Speakers
<b>Chipset (PCH):</b>	System on Chip
<b>Touch:</b>	Projected Capacitive Touch (PCT)
<b>MCR:</b>	Integrated USB Interface Triple Track MCR with Optional Encryption and/or Fingerprint Reader
<b>Mass Storage Device:</b>	128GB 2.5" Solid State Drive
<b>RAM Memory:</b>	4GB SODIMM DDR3 (1600MHz) Expandable to 8GB
<b>Video Memory:</b>	Shared System Memory Up To 1.7GB
<b>Serial Ports:</b>	<b>COM1 / COM2</b> = DB9 With Pin 9 0V/+5V/+12V (User Selectable by BIOS) <b>COM3 / COM4</b> = RJ45 Pin 1 +5V/+12V (Selectable by Jumper) <b>COM6</b> = RJ45 (VFD Customer Display Port)
<b>Parallel Port:</b>	One DB-25F
<b>USB Ports:</b>	Six V3.0 (Two Left Side of Screen / Four Bottom)
<b>Cash Drawer Port:</b>	RJ12, 12V or 24V Selectable By Jumper – Maximum 2 Drawers – Drawer Compulsion
<b>HDMI Port:</b>	One HDMI
<b>LAN Port:</b>	RJ45 10/100/1000 Base-T (Giga LAN) RealTek RTL8111E
<b>VGA Port:</b>	One DB15F Display Port For Second LCD (Resolution 2048 x 1536)
<b>Audio Port:</b>	One Line-In / One Line-Out
<b>Mic Port:</b>	One Mic-In
<b>Power Supply – Terminal:</b>	75W, 12V/6.25A 100-240V 50-60Hz Integrated Power Adaptor
<b>Printer:</b>	60W, 24V/2.5A 100-240V 50-60Hz Integrated Power Adaptor
<b>Current / Power Usage:</b>	0.28A / 31W (110V Idle Environment)
<b>Environment:</b>	32° F to 104° F / 0% to 90% RH Non-Condensing
<b>Compatible O/S:</b>	POSReady 7 / Windows 7 Professional / Windows 10 Professional / Windows 10 IoT Enterprise 2016 LTSB
<b>Dim./ Weight – Footprint:</b>	10-1/2"W x 12"H
<b>Unit:</b>	14"W x 12-3/16"D x 16-7/16"H 30 lbs.
<b>Shipping Carton:</b>	20"L x 18"W x 17"H 30.2 lbs
<b>Safety and EMI:</b>	FCC / CE / RoHS

The attractive, powerful SPT-7650 Series is ideal for installations where space is at a premium and customer facing applications including retail scanning and many more like these:

- Airline Counters
- Automotive Services
- Box Office
- Concession Stands
- Convenience Stores
- Delis
- Digital Signage
- Dry Cleaners
- Financial/Banking
- Food & Drug Stores
- Gaming
- Gift Shops
- Health Food
- Hospitality
- Hotel Front Desk
- Interactive Workstations
- As a Kiosk
- Liquor Stores
- Medical
- Message Stations
- Quick Service Restaurant
- Rental Car Counters
- Retail Scanning
- Self Service
- Small Grocery
- Specialty Food Nutrition
- Specialty Grocery
- Streaming Video
- Table Service Restaurant
- Ticket Booths
- Tobacco Stores
- Training
- Unattended Workstations



# SPT-7650 Touch Screen Terminal

The SAM4s SPT-7650 Modular Design Facilitates a Variety of Configurations...



**Card Reader / Printer**



**Card Reader / Printer / Fingerprint Reader**



**Card Reader / Printer / Scanner + Fingerprint Reader**

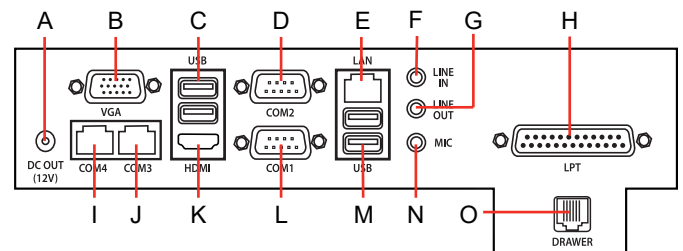
## Options and Upgrades

Configure your system with these easy to add options:

- Integrated VFD Customer Display – 2 Lines x 20 Characters
- Integrated 15" or 9.7" Customer LCD
- Integrated 15" Customer Touch LCD
- Integrated Encrypting Triple Track Card Reader
- Integrated 2D Scanner
- Integrated Fingerprint Reader
- Integrated Scanner + Fingerprint Reader
- Processor Specific Encrypted MCR
- Augusta Reader and Bracket
- 8GB RAM
- WiFi Module

## Connectivity

- A** DC-Out (12V) (For Rear or Remote LCD)
- B** VGA (For Rear or Remote Display)
- C** USB (2)
- D** COM2 (Powered)
- E** LAN
- F** Line-In
- G** Line-Out
- H** Parallel
- I** COM4 (Powered)
- J** COM3 (Powered)
- K** HDMI
- L** COM1 (Powered)
- M** USB (2)
- N** Mic-In
- O** Cash Drawer



**Plus Two USB Ports on the Right Side Standard**



**Optional Integrated 15" LCD Customer Display**



**Optional Integrated 9.7" LCD Customer Display**



**Optional Integrated Rear 2 Lines by 20 Characters VFD Customer Display**



**Optional WiFi Module**

# SAM4S

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