

# SB8700 Series

## All-in-One Systems



- Fanless and ventless operation
- Fanless design eliminates unpleasant noise
- Small footprint built to satisfy limited space
- Rugged ABS case design
- 10" built-in resistive touch screen
- Large compliment of I/O ports are available for your choice of point-of-sale peripherals
- Optional WIFI, magnetic stripe reader and fingerprint reader.

### The New Era of Point-of-Sale Hardware Solutions

The SB8700, the fanless POS hardware solution, uses an Intel 1.66GHz Atom Processor that consumes less power and still achieves high performance. Small footprint and space saving, the SB8700 is equipped with a 3 track magnetic stripe reader, a 4-Wire Resistive touch screen Mmnitior, and multiple I/O ports. This unit is an excellent fit for any retail or hospitality environment and looks great on a counter or mounted into a kiosk.

The unique design of the SB8700 is another benefit that sets it apart from the competition. The SB8700 housing is made from a specific ABS molding. It improves the durability and solidness over the conventional material. Its easy-to-clean and non-fading characters make it ideal for the high demand environments.

The SB8700 can play high-end multimedia files and still have sufficient CPU resources available to run an array of external peripherals, such as thermal printers, cash drawers, as well as any sophisticated retail and hospitality application. It is the one-stop solution for all of your Point-of-Sale terminal needs.

# SB-8700 SERIES ALL-IN-ONE SYSTEMS SPECIFICATIONS

## MAINBOARD

Intel Atom Processor N450 1.66GHz  
667MHz FSB (Front Side Bus)  
512KB 8-way L2 Cache

## MASS STORAGE

Two SATA Controller with independent DMA option for both ports:  
- Support SATA II  
- 15 + 7 pin SATA connector  
Single channel integrated (IDE) controller (2.5" HDD). Supports Ultra ATA 100/66/33  
One interface for Compact Flash Storage (50 pins)  
Master and slave configuration selectable

## SYSTEM MEMORY

One DDR2 SO-DIMM with 1GB (support up to 2GB);  
Support for DDR2 667 MHz

## BIOS

4M bit Flash BIOS.

## MINI-PCIE

Support Mini-PCIE cards such as WiFi card.

## I/O PORTS

Audio	Double deck Jack on back panel One input for microphone One output for speak
Serial	4 x DB9 male with RS-232C port interface Full duplex. Baud rate of 75 bps up to 128K bps Control handshaking, parity, size and stop bits Power serial (pin 9). Selected by BIOS (1&2) and jumper (3&4) and independent for each port. The following configurations should be possible: --+12 V; +5 V; Signal Ring.
Parallel	DB25 female
USB	4 USB 2.0, type A
Keyboard & Mouse	PS2 connector for keyboard and mouse port interfaces
Video	VGA display controller resolutions up to SXGA Standard DB15 interface
Ethernet	One 10/100 Mbits interface Ethernet with standard RJ45 connector

## MECHANICAL

Dimensions (H x D x W)	5.11 x 11.41 x 13.18 (in inch) 130 x 290 x 335 (in mm)
Weight	7 lbs / 3.17 kg
Temperature	Operating: 0 to 40 deg C Storage: -20 to 60 deg C
Humidity	20% to 80% Noncondensing
Color	Black

## POWER SUPPLY

External Power Supply: Input: 100-240 VAC~1.5A 50/60 Hz  
Output: +12V, 5A(+/-15%)\*

## CERTIFICATION

FCC/CE Class A, Power adapter & touch screen with UL, cUL, TUV

## LCD TOUCH PANEL

Screen size of 10.4"  
Display resolution: 800 X 600 or 1024 x 768  
Control of brightness and contrast for software  
Interface (motherboard) TTL or LVDS

## OPTIONS

Magnetic Stripe Reader	1, 2, and 3 tracks
Integrated Wi-Fi Adapter	802.11g
Fingerprint Reader	512 dpi 14.6 mm x 18.1mm scan capture area