

Smartbox

SB-8200



The New Era of Point-of-Sale Hardware Solutions

Smartbox SB-8200, the fanless POS hardware solution, uses an Intel 1.6GHz Atom Processor that consumes less power and still achieves high performance. Small footprint and space saving, the SB-8200 is equipped with a 3 track Magnetic Stripe Reader, a 4-Wire Resistive Touch Screen Monitor, 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 SB-8200 is another benefit that sets it apart from the competition. The SB-8200 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.

Smartbox SB-8200 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.

- ▶ Fanless design eliminates unpleasant noise
- ▶ Small footprint built to satisfy limited space
- ▶ Rugged ABS case design
- ▶ 10" built-in 4-wire 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.



SB-8200 + Thermal Printer



SB-8200 + Cash Drawer



SB-8200 + Tabletop Display



SB-8200 + Monitor

SMARTBOX, SB-8200 SERIES ALL-IN-ONE SPECIFICATIONS

MAINBOARD

Intel Atom Processor N270 1.6GHz.
TDP (Thermal Design Power) ~2.5W
533MHz FSB (Front Side Bus)
512KB 8-way L2 Cache

CHIPSET (MAIN)

North Bridge Intel 945GSE. TDP (Thermal Design Power) ~6W
South Bridge Intel ICH7M
Winbond W83627HG (super I/O)
One Realtek 8102E 10/100Mbps LAN (optional for 8111C10/100/1000Mbps)
Chipset 945GSE
Primary onboard VGA display Controller resolutions up to QXGA and Model with TTL interface or LVDS interface (low voltage differential signaling).
Use for LCD panel support.

SYSTEM MEMORY

One DDR2 SODIMM with 1GB (support up to 2GB)
Support for DDR2 533 MHz.

BIOS

4M bit Flash BIOS

MASS STORAGE

Standard 160GB SATA WD 2.5" hard disk 5400RPM
Integrated SATA Controller with independent DMA option on one Port
GB SATA WD Support SATA II
One interface for Compact Flash Storage (optional)
Integrated IDE Controllers 2.5" HDD (optional). Supports Ultra ATA100/66/33

MINI-PCIE

Support Mini-PCIE cards such as WiFi card (optional)

I/O PORTS

Audio	Double deck Jack on back panel One input for microphone One output for speak
Serial	4 RS-232C DB9 male Full duplex Baudrate of 75 bps up to 128K bps Control handshaking, parity, size and stop bits
Parallel	DB25 female
USB	4 USB 2.0, type A
Keyboard & Mouse	Double deck PS2 connector for keyboard and mouse port interfaces
CRT	VGA display controller resolutions up to QXGA Standard DB15 interface
LAN	One 10/100 Mbps 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 100 – 240 VAC / 50-60 Hz
Input 1,5 A; Output +12V, 5A

CERTIFICATION

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

LCD TOUCH PANEL

Screen size of 10.4"
Display resolution: 800 (RGB) X 600(H)
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