



BPSiPC Omnis POS / KIOSK

Omnis POS/tPad (12")

3.5" Single Board Computer with INTEL® Atom™ D510 and ICH8M chipset



Product Features:

- Intel® Atom™ D510 and ICH8M chipset
- Compact 3.5" form factor for embedded applications
- 18-bit LVDS, VGA, HD Audio, SIM card supported
- SATA 3Gb/s, GbE, USB 2.0, COMs, Digital I/Os, CF socket
- 1x mini PCIe x1 socket, 1x PCIe x4 slot (w/ 4x PCIe x1 speed)
- Watchdog Timer, Hardware Monitor

Product Specifications

System

CPU	Intel® Atom D510
FSB	800 MHz
BIOS	AMI Plug & Play BIOS
Chipset	Intel® ICH8-M
Memory	1x DDR2 667/800 SO-DIMM Socket, up to 2GB
Watchdog Timer	Reset : 1 to 255 sec/min per step
SSD	CompactFlash
Expansion	1x PCI-E x4

LCD Display

Display type	12.1" TFT LCD WSVGA
Resolution	4:3 (1024 x 768)
Brightness	500 cd/m ²
Touch Screen	5-wire Resistive Type

I/O

MIO	3x SATA II, 4x COM RS-232, 1x PS/2 Keyboard, 1x PS/2 Mouse
USB	8 USB 2.0

Display

Chipset	Integrated on Intel® Atom™ D510 (GEN 3.5+ GFX Core)
Display Memory	Intel DVM T 3.0 supports up to 224MB video memory
Resolution	2048 x 1536 @ 32 bpp (85 Hz)
VGA	On board
Dual Display	VGA+LVDS
LVDS	18-bit signal channel LVDS support
LVDS Backlight	Yes
HDMI	N/A

Audio

Audio Codec	Realtek ALC662 Audio (2W Speak-out with AMP (via pin-header))
Audio Interface	Line-in, Line-out, Mic-in

Ethernet

LAN	1x Gigabit LAN
-----	----------------

Back Panel I/O Port

Back Panel I/O Port	1x 6-Pin PS/2 Keyboard+PS/2 Mouse, 1x VGA Port, 1x COM RS-232 Ports, 2x USB 2.0 Ports, 1x LAN RJ45 Ports,
---------------------	---

Internal I/O Connector

Internal I/O Connector	6x USB Connectors, 1x FDD Connector, 3x COM RS-232 Connectors, 3x SATA Connectors, 1x Front Panel Audio Connector, 1x System Panel Connector, 1x System Fan Connector, 1x Speaker Connector
------------------------	--

Mechanical & Environmental

Power Type	DC-in
Power Connector	1x 4-pin DC Power Connector
Operating Temperature	0 to 60°C (32 to 140°F)
Operating Humidity	0% to 90% relative humidity, non-condensing
Dimensions	250 x 288 x 230 mm

Product Information

Article	Description
Omnis POS/tPad (12")	12.1" POS System INTEL® Atom™ D510, Memory 2G, 320G HDD

BPSiPC 9F-1, NO.190, SEC3, TA-TUNG RD., SHI CHIH CITY, TAIPEI TAIWAN
TEL: +886-2-8647-1188 FAX: +886-2-8647-3322 Email: sales@bpsipc.com Skype: bps.inc