

YOU'RE AT THE BEST TO GET THE NEW IDEAS ON POS SYSTEMS

 **BIRCH**[®]

True-flat!

Emulation Bezel
Dust/water Spilt Proof

Panel PC systems
PT & PZ series systems
And TM series Monitors

Immerse in Everything Stylish, Thinness and Low Power

As the advantages of the technology are considerable, Birch offers a heady mix of state-of-the-art designs and innovative concepts on POS systems and monitors with more powerful motherboard of ATOM D525 and N2800, which are good choices in your system architectures for a wide range of applications and working environment.

CF Slot

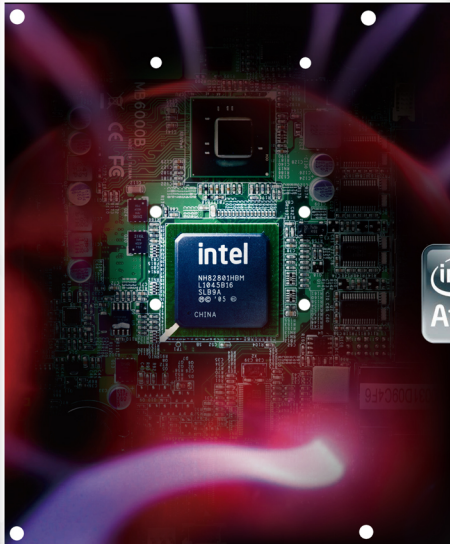
DDR 3 Memory

Panel PC series support up to 4GB

PCI-e Mini Slot

PCI-e mini card is the advanced slot on Notebooks to support newest and advanced optional function such as Wi-Fi.

mSATA Slot



ATOM D525
Dual Core
1.8GHz

ATOM N2800
Low power
consumption
(Cedar Trail
CPU =
6.5W
1.86GHz



PP

SYSTEMS SERIES

Exudes stylishness as you embrace
Your senses in thinness



Product Positions & Key features

Birch PP series
systems supports

6 x USB, 4 x COM,
1 x LPT, 1 x VGA,
1 x 10/100/1000 Ethernet,
1 x Cash Drawer port (N2800),
and has been equipped
with VESA 75 for your
wall mounting, all of them
are aimed at the kitchen
and space-concerned market.

With the current technologies and designs on
EstiLo™ and CARiSMATM, Birch upgrades the "Panel PC
systems" with touch with ATOM D525
(w/silent fan) and N2800 (fan-less).



Options



MSR card reader
triple tracks MSR card
reader



Wi-Fi function



VFD customer display
2 lines x 20 characters.



ELO touch



VASA 75mm



zFLAT design
true-flat emulation with
aluminum bezel, 5-wire
resistive touch, water-
spilt-proof and dust-proof



zFLAT design
true-flat emulation with
aluminum bezel, Projected
Capacitive touch, water-
spilt-proof, dust-proof and
scratch-proof



D525 10" & 15" Panel PC Systems with
Silent mini Fan, ideal for high-performance
and price-concerned market.

PP7000D0-15
15" (1024x768) PP touch panel PC, silent mini fan,
with tFLAT design, aluminum panel frame

PP6000D2-10
10" (1024x768) LED PP touch panel PC,
silent mini fan, with zFLAT design, aluminum
panel frame

PP6000[A] [B] - [C] 10" with 10" touch screen
[A] D= D525; C= N2800
[B] 2= zFLAT design
[C] Blank= PP; T= PT; Z= PZ

N2800 (Cedar Trail) 10" & 15" Panel PC Systems
(Fan-Less models), with aluminum rear chassis
and specially designed heat sink device, all of
them are aimed for "Fan-Less" applications.

PP7000C0-15
15" (1024x768) PP touch panel PC, fan-less,
with tFLAT design, aluminum panel frame

PP6000C2-10
10" (1024x768) LED PP touch panel PC,
fan-less, with zFLAT design, aluminum panel frame

PP7000[A] [B] - [C] 15" with 15" touch screen
[A] D= D525; C= N2800
[B] 0= tFLAT design
[C] Blank= PP; T= PT; Z= PZ

PZ & PT

ALL-IN-ONE TOUCH

PZ and PT All-in-One Touch Systems Series
POS systems Based on a Panel PC modular Concept

Product Positions & Key features

With the same specifications of Panel PC systems supports









6 x USB, 4 x COM, 1 x LPT, 1 x VGA, 1 x 10/100/1000 Ethernet, 1 x Cash Drawer port (N2800)

There are more options on triple MSR card reader, VFD customer display, iButton...

PT series designed for general POS systems, and PZ series is for service-oriented cashier, department stores and self-service Kiosk applications.



Options

-  **MSR card reader**
triple tracks MSR card reader
-  **Wi-Fi function**
-  **VFD customer display**
2 lines x 20 characters.
-  **ELO touch**
-  **ALU High Stand**
-  **Metal Low Stand**
-  **tFLAT design**
true-flat emulation with aluminum bezel, 5-wire resistive touch
-  **zFLAT design**
true-flat emulation with aluminum bezel, Projected Capacitive touch



PT series (PP + A2 standard desk-top trunk)
10" & 15", D525 and N2800, with high stand, with or without Fan

PP7000D0-T15

15" (1024x768) PT all-in-one touch system, D525, fan-less, with tFLAT design, aluminum frame

PP6000D2-T10

10" (1024x768) LED PT all-in-one touch system, D525, silent mini fan, with zFLAT design, aluminum panel frame

PP7000C0-T15

15" (1024x768) PT all-in-one touch system, N2800, fan-less, with tFLAT design, aluminum panel frame

PP6000C2-T10

10" (1024x768) LED PT all-in-one touch system, N2800, fan-less, with zFLAT design, aluminum panel frame

PZ series (PP + A1 table-top low stand)
10", D525 and N2800, with low stand with or without Fan

PP6000D2-Z10V

10" (1024x768) LED PZ all-in-one touch system w/VFD, D525, silent mini fan, with zFLAT design, aluminum panel frame

PP6000C2-Z10V

10" (1024x768) LED PZ all-in-one touch system w/VFD, N2800, fan-less, with zFLAT design, aluminum panel frame

PP & PT & PZ series
Optional for 12" (1024x768) Aluminum panel frame

TM

TFT MONITORS SERIES

Built-in USB hub to boost efficiency
in Retail and Hospitality



Wall mount

Birch TM TFT monitors with VESA75 to support wall mount applications.

Desktop

Birch TM TFT monitors support cable management

TM-2600

15" (1024x768) touch monitor built-in USB hub, tFLAT design, aluminum panel frame

TM-1600

12" (1024x768), 10" (1024x768) touch monitor built-in USB hub, aluminum panel frame



Options



MSR card reader
triple tracks MSR card reader



VFD customer display
2 lines x 20 characters.



ELO touch



VESA 75mm



tFLAT design
true-flat emulation with aluminum bezel, 5-wire resistive touch



zFLAT design
true-flat emulation with aluminum bezel, Projected Capacitive touch

Specification		TM1600-10	TM1600-12	TM2600
Display	Tft lcd size	10" LED	12.1" CCFL	15" CCFL
	Maximum resolution	1024 x 768 (XGA)		
	Brightness	250 cd/m ²	195 cd/m ²	250 cd/m ²
	Contrast ratio	600:1	400:1	600:1
	Response time	12ms	16ms	8 ms
	View angles (h/v)	150 / 130	90 / 65	160 / 160
	Touch panel	PCT	five wires resistive	



I/o ports	USB	2 x USB 2.0
	MSR	Standard by USB
	VFD	COM
Power adapter	12V 3A 36W	
Operation temperature	0~40 degree c at 10%~80% humidity	
Storage temperature	-20~60 degree c at 10%~80% humidity	
Compliance	FCC, CE, ROHS certificate LVD	
Dimension	10" / 264(W) X 175(L) X 276(H)mm	
	12.1" / 294(W) X 175(L) X 302(H)mm	
	15" / 360(W) X 175(L) X 351(H) mm	

Panel PC Specifications









Main boards	CPU	Intel Atom D525	Intel Atom N2800
			Dual Core 1.8 GHz
	Chipset	Intel ICH8M	Intel NM10 Express
	Slot type memory	DDR3 800 SO-DIMM(1GB to 4GB)	DDR3 1066 SO-DIMM(1GB to 4GB)
	Expansion	PCI-e mini card	PCI-e mini card, mSATA(selectable)

Displays	TFT lcd size	10" LED	12.1" CCFL	15" CCFL	15.1" LED
		Maximum resolution	1024 x 768		
	Brightness	250 cd/m ²	195 cd/m ²	250 cd/m ²	250 cd/m ²
	Contrast ratio	600:1	400 : 1	600 : 1	700 : 1
	Response time	12ms	16ms	8ms	8 ms
	View angles (h/v)	150 / 130	90 / 65	160 / 160	170 / 160
	Touch panel	PCT	five wires resistive		

Storage Devices	1 x 2.5" SATA, 1 x ComPact Flash		1 x 2.5" SATA, 1 x mSATA
I/o ports	Series	4 x RS-232 with RJ-45 connector (2 x with 5v / 12v power selectable)	4 x RS-232 with RJ-45 connector (4 x with 5v / 12v power selectable)
	USB	6 x USB 2.0	
	Parallel	1 x LPT with adaptor cable	
	Ps/2	1 x Keyboard / 1 x mouse	
	Lan	1 x RJ-45, 10/100/1000 Base-T	
	Display	1 x VGA (optional adaptor cable)	1 x VGA (D-sub)
	Audio	1 x Earphone, 1 x Microphone	2 x Earphone, 2 x Microphone
	Cash Drawer Port	N/A	1 x 12v / 24v with adaptor cable
	MSR	Standard by USB	
	VFD	COM 5	

Power adapter	12v 6.67a 80w
Operation temperature	0~40 degree c at 10%~80% humidity
Storage temperature	-20~60 degree c at 10%~80% humidity
Compliance	FCC, CE, ROHS certificate LVD

Dimension	PP7000D-15: 360(W) X 300(L) X 51.99(H)mm	PT7000D-15: 360(W)X175(L)X367(H)mm
		PP6000D-10: 264(W) X 209(L) X 44.85(H)mm
	PP7000C-15: 360(W) X 300(L) X 49.99(H)mm	PT7000C-15: 360(W) X 175(L) X 352(H)mm
	PP6000C-10: 264(W) X 209(L) X 42.85(H)mm	PT6000C-10: 264(W) X 175(L) X 267(H)mm
	PZ6000D-10 / PZ6000N-10: 264(W) X 315(L) X 126.5(H)mm	

Options	 MSR card reader: triple tracks MSR card reader  Wi-Fi function.  15" ELO Touch
	 VFD customer display: 2 lines x 20 characters.  SSD
	 VESA 75mm  Low stand  High Stand

OEM

Private label project or OEM project are welcome.

You are kindly invited to join us either Distribution or Private label or Custom-mode projects small NRE charge and MOQ



Custom-made

Birch offers more flexible policy to support you to have custom-made models to meet your personalized applications with small NRE charge and small MOQ required.

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 **LVD CE FC** certificate