









**POS Systems** *inspires and assists your perfect experience*

With our breadth of global and installation bases experience, Birch develops and offers a series of quality POS systems tailored to your needs, besides the traditional POS systems. Birch likes to help the people to have the RIGHT systems for their applications instead of “General” Me-Too products.

**Available motherboard:**

M/B	Ivy Bridge HM70 [ V ]	GME 965 [ III ]	Pineview [ D ]
			
<b>CPU</b>	<b>P-2117U</b> on board	<b>C2D</b> socket, std <b>T5250</b>	<b>D525</b> on board
<b>TDP</b>	17W	35W	13W
<b>SO-DIMM</b>	<b>DDR3</b> 1333 up to 8GB	<b>DDR2</b> 677 up to 4GB	<b>DDR3</b> 800 up to 4GB
<b>Storage</b>	<b>2.5" SATA + mSATA</b>	<b>2.5" SATA</b>	<b>2.5 SATA</b>
<b>E X T E R N A L</b>	<b>USB</b>	<b>5 or 6</b> USB 2.0	<b>5 or 6</b> USB 2.0
	<b>COM</b>	<b>4</b> RJ48-RS232 (5V/12V)	<b>4</b> RJ48-RS232 (2 5V/12V)
	<b>LPT</b>	<b>1</b> (by ext adapter cable)	<b>1</b> (by ext adapter cable)
	<b>VGA</b>	<b>1</b> (by ext adapter cable)	<b>1</b> (by ext adapter cable)
	<b>LAN</b>	<b>1</b> GigaLAN (10/100/1000)	<b>1</b> GigaLAN (10/100/1000)
<b>I/O</b>	<b>Drawer</b>	<b>1</b> (by ext adapter cable)	N/A
<b>Expansion</b>	1 Mini PCI-E slot	1 Mini PCI-E slot	1 Mini PCI-E slot


## Available motherboard:

M/B	CedarTrail [ C ]	BayTrail	Ivy Bridge HM76
			
<b>CPU</b>	<b>N2800</b> on board	<b>J1900</b> on board	<b>Ivy Bridge Socket Core i3,i5</b>
<b>TDP</b>	6.5W	10W	35W
<b>SO-DIMM</b>	<b>DDR3</b> 1066 up to 4GB	<b>2 x DDR3L</b> 1333 up to 8GB	<b>DDR3</b> 1333 up to 8GB
<b>Storage</b>	<b>2.5" SATA + mSATA</b>	<b>2.5" SATA + mSATA</b>	<b>2 x 2.5" SATA + mSATA</b>
<b>E X T E R N A L</b>	<b>USB</b>	<b>5 or 6</b> USB 2.0	<b>8</b> USB 2.0
	<b>COM</b>	<b>4</b> RJ48-RS232 (5V/12V)	<b>6</b> RS232(COM1 5V/12V)
	<b>LPT</b>	<b>1</b> (by ext adapter cable)	<b>1 (by ext adapter cable)</b>
	<b>VGA</b>	<b>1</b>	<b>1</b>
	<b>LAN</b>	<b>1</b> GigaLAN (10/100/1000)	<b>2</b> GigaLAN (10/100/1000)
<b>I/O</b>	<b>Drawer</b>	<b>1</b> (by ext adapter cable)	N/A
<b>Expansion</b>	1 Mini PCI-E slot	1 Mini PCI-E slot/1 PCIe slot	1 Mini PCI-E slot



Birch POS Installations !



< EstiLO > State-of-the Art and Fan-less series




	<b>IT6000C2</b>	<b>9.7" + Projective Capacitive Touch</b>
	<ul style="list-style-type: none"> <li>❖ Pure aluminum made with seamless design</li> <li>❖ 9.7" LED display, 1024 x 768</li> <li>❖ 10-point Projective Capacitive Touch</li> <li>❖ Available models:                             <ul style="list-style-type: none"> <li>■ <b>IT6000C-10: N2800 M/B (fan-less)</b></li> </ul> </li> <li>❖ Dealer's option: MSR</li> <li>❖ Factory's options: VFD, WiFi</li> </ul>	

< CARiSMA > Stylish and High Speed series

	<b>IT7000-15</b>	<b>15" + Resistive touch or Projective Capacitive Touch</b>
	<ul style="list-style-type: none"> <li>❖ 15" CCFL or LED display, 1024 x 768</li> <li>❖ 5-wire Resistive Touch or Projective Capacitive Touch</li> <li>❖ Available models:                             <ul style="list-style-type: none"> <li>■ <b>IT7000V-15: Ivy bridge M/B + P-2117U</b></li> <li>■ <b>IT7000D-15: D525 M/B</b></li> </ul> </li> <li>❖ Dealer's options: MSR (+ iButton+ IC Smart Card reader+ RFID), VFD, 2<sup>nd</sup> LCD (8" or 10")</li> <li>❖ Factory's option: WiFi</li> </ul>	
	<b>IT7000-10</b>	<b>9.7" + Projective Capacitive Touch</b>
	<ul style="list-style-type: none"> <li>❖ 9.7" LED display, 1024 x 768</li> <li>❖ 10-point Projective Capacitive Touch</li> <li>❖ Available models:                             <ul style="list-style-type: none"> <li>■ <b>IT7000V-10: Ivy bridge M/B + P-2117U</b></li> <li>■ <b>IT7000D-10: D525 M/B</b></li> </ul> </li> <li>❖ Dealer's options: MSR, VFD, 2nd LCD (8", 10")</li> <li>❖ Factory's option: WiFi</li> </ul>	

## < Modular Spirits > Panel PC base series

### PP Panel PC without stand (Original model)

	<table border="1"> <thead> <tr> <th data-bbox="394 248 645 300">Slim PP6000-10</th> <th data-bbox="645 248 1491 300">9.7" slim touch Panel system( without stand )</th> </tr> </thead> <tbody> <tr> <td colspan="2" data-bbox="394 300 1491 635"> <ul style="list-style-type: none"> <li>❖ Wall-mount and any installation by VESA 75 bracket device</li> <li>❖ 9.7" LED display, 1024 x 768</li> <li>❖ 10-point Projective Capacitive Touch</li> <li>❖ Available models:                             <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">■ PP6000D2-10: D525 M/B (with fan)</td> <td style="width: 50%;">■ PP6000V2-10: Ivy bridge M/B Pentium #2117U(with fan)</td> </tr> <tr> <td>■ PP6000C2-10: N2800 M/B (fan-less)</td> <td>■ PP6000J2-10: J1900 M/B (fan-less)</td> </tr> </table> </li> <li>❖ Dealer's options: MSR, VESA wall-mount bracket, A4 stand (for PT), A8V2 stand VFD and 2<sup>nd</sup> LCD ( 8" or 10" only for PP6000V2 &amp;PP6000J2)</li> <li>❖ Factory's option: WiFi</li> </ul> </td> </tr> </tbody> </table>	Slim PP6000-10	9.7" slim touch Panel system( without stand )	<ul style="list-style-type: none"> <li>❖ Wall-mount and any installation by VESA 75 bracket device</li> <li>❖ 9.7" LED display, 1024 x 768</li> <li>❖ 10-point Projective Capacitive Touch</li> <li>❖ Available models:                             <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;">■ PP6000D2-10: D525 M/B (with fan)</td> <td style="width: 50%;">■ PP6000V2-10: Ivy bridge M/B Pentium #2117U(with fan)</td> </tr> <tr> <td>■ PP6000C2-10: N2800 M/B (fan-less)</td> <td>■ PP6000J2-10: J1900 M/B (fan-less)</td> </tr> </table> </li> <li>❖ Dealer's options: MSR, VESA wall-mount bracket, A4 stand (for PT), A8V2 stand VFD and 2<sup>nd</sup> LCD ( 8" or 10" only for PP6000V2 &amp;PP6000J2)</li> <li>❖ Factory's option: WiFi</li> </ul>		■ PP6000D2-10: D525 M/B (with fan)	■ PP6000V2-10: Ivy bridge M/B Pentium #2117U(with fan)	■ PP6000C2-10: N2800 M/B (fan-less)	■ PP6000J2-10: J1900 M/B (fan-less)
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## < Modular Spirits > Panel PC base series

### PP Panel PC without stand (Original model)



#### Czar PP8000-17 17" Czar touch Panel system ( without stand )

- ❖ Wall-mounting and any installation by VESA 75 / 100 bracket device
- ❖ LED display, 1280 x 1024
- ❖ Projective Capacitive Touch
- ❖ Available models:
  - **PP8100-17: J1900 M/B (fan-less)**
  - **PP8300-17: Ivy Bridge Core i3 M/B (with fan)**
  - **PP8500-17: Ivy Bridge Core i5 M/B (with fan)**
- ❖ Dealer's options: MSR (+ iButton+ IC Smart Card reader+ RFID), VFD, 2<sup>nd</sup> LCD (8" or 10" )  
VESA wall-mount bracket, , A4 stand (for PT), A8V2 stand
- ❖ Factory's option: WiFi



PT Standard desk-top system	
	<p><b>Slim PP6000-T10</b> 9.7" Desktop touch system (+A4 stand)</p> <ul style="list-style-type: none"> <li>❖ PP + A2 standard desk-top stand</li> <li>❖ Available models: <ul style="list-style-type: none"> <li>■ PP6000D-T10: D525 M/B (with fan)      ■ PP6000V-10: Ivy bridge M/B Pentium #2117U (with fan)</li> <li>■ PP6000C-T10: N2800 M/B (fan-less)</li> </ul> </li> <li>❖ Dealer's option: MSR , VFD</li> <li>❖ Factory option: WiFi</li> </ul>
	<p><b>Slim PP7000-T15</b> 15" Desktop touch system (+A4 stand)</p> <ul style="list-style-type: none"> <li>❖ PP + A2 standard desk-top stand</li> <li>❖ Available models: <ul style="list-style-type: none"> <li>■ PP7000D-T15: D525 M/B (with fan)      ■ PP7000V-15: Ivy bridge M/B Pentium #2117U (with fan)</li> <li>■ PP7000C-T15: N2800 M/B (fan-less)</li> </ul> </li> <li>❖ Dealer's options: MSR (+ iButton+ IC Smart Card reader+ RFID), VFD, 2<sup>nd</sup> LCD (8" or 10")</li> <li>❖ Factory's option: WiFi</li> </ul>
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	<p><b>Czar PP8000-T17</b> 17" Desktop touch system (+A4 stand)</p> <ul style="list-style-type: none"> <li>❖ PP + A4 standard desk-top stand</li> <li>❖ Available models: <ul style="list-style-type: none"> <li>■ PP8100-T17: J1900 M/B (fan-less)</li> <li>■ PP8300-T17: Ivy Bridge Core i3 M/B (with fan)</li> <li>■ PP8500-T17: Ivy Bridge Core i5 M/B (with fan)</li> </ul> </li> <li>❖ Dealer's options: MSR (+ iButton+ IC Smart Card reader+ RFID), VFD, 2<sup>nd</sup> LCD (8" or 10")</li> <li>❖ Factory's option: WiFi</li> </ul>

PP/PT/PR series

With " Scalability " Foot trunk (stands)



**PR Receipt Printer built-in desk-top system**

	<b>Slim PP6000-10 + A8V2</b>	<b>9.7" slim Touch-and-Print system (+A8V2 stand)</b>
<ul style="list-style-type: none"> <li>❖ <b>PP + A8V2 receipt printer built-in foot trunk</b></li> <li>❖ SEIKO printing mechanism built-in, 3" paper width, thermal direct, with Auto Cutter</li> <li>❖ 200mm/sec printing speed, USB+RS232 interface</li> <li>❖ Straight-UP design, 50% less foot print, supports 80mm diameter paper roll</li> <li>❖ Available models:             <ul style="list-style-type: none"> <li>■ PP6000D2-10 + A8V2: D525 M/B (with fan)     ■ PP6000V2-10: Ivy bridge M/B Pentium #2117U(with fan)</li> <li>■ PP6000C2-10 + A8V2: N2800 M/B (fan-less)     ■ PP6000J2-10: J1900 M/B(fan-less)</li> </ul> </li> <li>❖ Dealer's option: MSR , VFD, 2<sup>nd</sup> LCD ( 8" or 10" only for PP6000V2 &amp;PP6000J2)</li> <li>❖ Factory option: WiFi</li> </ul>		
	<b>Slim PP7000-15 + A8V2</b>	<b>15" slim Touch - and - Print system ( + A8V2 stand )</b>
<ul style="list-style-type: none"> <li>❖ <b>PP + A8V2 receipt printer built-in foot trunk</b></li> <li>❖ SEIKO printing mechanism built-in, 3" paper width, thermal direct, with Auto Cutter</li> <li>❖ 200mm/sec printing speed, USB+RS232 interface</li> <li>❖ Straight-UP design, 50% less foot print, supports 80mm diameter paper roll</li> <li>❖ Available models:             <ul style="list-style-type: none"> <li>■ PP7000D-15 + A8V2: D525 M/B (with fan)     ■ PP7000V-10 + A8V2: Ivy bridge M/B Pentium #2117U(with fan)</li> <li>■ PP7000C-T15 + A8V2: N2800 M/B (fan-less)</li> </ul> </li> <li>❖ Dealer's options: MSR (+ iButton+ IC Smart Card reader+ RFID), VFD, 2<sup>nd</sup> LCD ( 8" or 10" )</li> <li>❖ Factory option: WiFi</li> </ul>		



<p><b>PT/CARISMA</b> Beauty + Slim</p>	<p><b>EstiLO</b> Art + Unique</p>	<p><b>PZ</b> Simplicity + Easy</p>	<p><b>PP/IT6300C/Birch866II</b> Rigid + Industry</p>	<p><b>PR</b> Touch-and-print</p>
				



**PR Receipt Printer built-in desk-top system**



**Czar PP8000-10 + A8V2 15" Czar Touch + Print system (+ A8V2 stand)**



- ❖ **PP + A8V2 receipt printer built-in foot trunk**
- ❖ SEIKO printing mechanism built-in, 3" paper width, thermal direct, with Auto Cutter
- ❖ 200mm/sec printing speed, USB+RS232 interface
- ❖ Straight-UP design, 50% less foot print, supports 80mm diameter paper roll
- ❖ Available models:
  - **PP8100-15 + A8V2: J1900 M/B (fan-less)**                  ■ **PP8100-15V + A8V2 : Ivy bridge M/B Pentium #2117U(with fan)**
  - **PP8300-15 + A8V2: Ivy Bridge**                                  ■ **PP8500-15 + A8V2: Ivy Bridge**  
**Core i3 M/B (with fan)**    **Core i5 M/B(with fan)**
- ❖ Dealer's option: MSR , VFD, 2<sup>nd</sup> LCD ( 8" or 10" only for PP6000V2 & PP6000J2)
- ❖ Factory option: WiFi






**Czar PP8000-17 + A8V2 17" Czar Touch + Print system (+ A8V2 stand)**

- ❖ **PP + A8V2 receipt printer built-in foot trunk**
- ❖ SEIKO printing mechanism built-in, 3" paper width, thermal direct, with Auto Cutter
- ❖ 200mm/sec printing speed, USB+RS232 interface
- ❖ Straight-UP design, 50% less foot print, supports 80mm diameter paper roll
- ❖ Available models:
  - **PP8100-17 + A8V2: J1900 M/B (fan-less)**                  ■ **PP8500-17 +A8V2: Ivy Bridge**  
**Core i3 M/B (with fan)**    **Core i5 M/B(with fan)**
  - **PP8300-17 + A8V2: Ivy Bridge**
- ❖ Dealer's options: MSR (+ iButton+ IC Smart Card reader+ RFID), VFD, 2<sup>nd</sup> LCD ( 8" or 10" )
- ❖ Factory option: WiFi

## < PZ > Table-top series

	<b>PP6000-Z10</b>	<b>9.7" PZ + PCT touch</b>
<ul style="list-style-type: none"> <li>❖ Built with specialty metal "Low stand"</li> <li>❖ 9.7" LED display, 1024 x 768</li> <li>❖ 10-point Projective Capacitive Touch (optional 5-wire Resistive touch)</li> <li>❖ Available models: <ul style="list-style-type: none"> <li>■ PP6000C2-Z10: N2800 M/B (fan-less)</li> <li>■ PP6000D2-Z10: D525 M/B (with fan)</li> <li>■ PP6000V2-Z10: Ivy bridge M/B Pentium #2117U(with fan)</li> <li>■ PP6000J2-Z10: J1900 M/B(fan-less)</li> </ul> </li> <li>❖ Dealer's options: MSR, VFD</li> <li>❖ Factory's option: WiFi</li> </ul>		
	<b>PP7000-Z15</b>	<b>15" PZ + Resistive touch or Projective Capacitive Touch</b>
<ul style="list-style-type: none"> <li>❖ Built with specialty metal "Low stand"</li> <li>❖ 15" CCFL or LED display, 1024 x 768</li> <li>❖ 5-wire Resistive Touch or Projective Capacitive Touch</li> <li>❖ Available models: <ul style="list-style-type: none"> <li>■ PP7000D-Z15: D525 M/B (with fan)</li> <li>■ PP7000C-Z15: N2800 M/B (fan-less)</li> <li>■ PP7000V-10: Ivy bridge M/B Pentium #2117U(with fan)</li> </ul> </li> <li>❖ Dealer's options: MSR, VFD</li> <li>❖ Factory's option: WiFi</li> </ul>		

## < POS PC > Rigid & Mini Box system series

	<b>IT6300C</b>	<b>N2800 M/B &amp; Fan-less</b>
<ul style="list-style-type: none"> <li>❖ Pure aluminum made, seamless &amp; fanless design</li> <li>❖ EstiLO Mini (250W x 205D x 39mmH), with VESA 75 for wall-mounting</li> <li>❖ Dual Hybrid storage, 2.5" SATA + mSATA</li> <li>❖ Dual Audio set built-in</li> <li>❖ 6x USB, 4x COM (all support 5V/12V), 1x LPT, 1x VGA, 1x LAN, 1x Cash Drawer Port (12V/24V)</li> <li>❖ Dealer's option: VESA wall-mount bracket</li> <li>❖ Factory's option: WiFi</li> </ul>		
	<b>BIRCH 866</b>	<b>Sandy Bridge M/B + Socket CPU</b>
<ul style="list-style-type: none"> <li>❖ "Core i" &amp; "Metal" box system</li> <li>❖ Supports wall-mounting by VESA 75 and bracket</li> <li>❖ Sandy bridge, Intel H61 chipset, socket-type CPU, i3/ i5/i7 upgradeable, DDR3 up to 16GB</li> <li>❖ Standard with G2020T CPU</li> <li>❖ 5x USB, 4x COM, 1x LPT, 1x VGA, 1x DVI, 1x LAN</li> <li>❖ Dual Display output supported, VGA + DVI</li> <li>❖ Dealer's option: VESA wall-mount bracket</li> <li>❖ Factory's option: WiFi, 2<sup>nd</sup> HDD, CD-ROM/ DVD-ROM, PS2 interface</li> </ul>		
	<b>IT-866J</b>	<b>Baytrail M/B + J1900 on board CPU</b>
<ul style="list-style-type: none"> <li>❖ Supports wall-mounting by VESA 75 and bracket</li> <li>❖ Sandy bridge, Intel H61 chipset, socket-type CPU, i3/ i5/i7 upgradeable, DDR3 up to 8GB</li> <li>❖ 6x USB, 5x COM, 1x VGA, 2x LAN</li> <li>❖ Dual LAN supported, 10/100/1000 BaseT</li> <li>❖ Dealer's option: VESA wall-mount bracket</li> </ul>		
	<b>K2-016</b>	<b>Bay Trail-M N2930 + Fan-less</b>
<ul style="list-style-type: none"> <li>❖ Brick-and book design made of metal</li> <li>❖ 185 x 48 x 142mm in size , 1.4Kgs (Net weight)</li> <li>❖ Wall mounting kit bundled</li> <li>❖ 6 x USB (2 at side , 4 at rear)</li> <li>❖ 2 x LAN , 4 x COM</li> <li>❖ DVI-D x 1 + VGA</li> </ul>		