

# **POS-1500-2D industrial POS PC ordering information:**

**Model 1: POS-1500-2D-Atom N270 ( Intel Atom N270 fanless CPU embedded )**

**Model 2: POS-1500-2D-C2D 1.6G ( Intel mobile Core 2 Duo 1.6Ghz CPU installed )**

**Model 3: POS-1500-2D-LX800 ( AMD LX800 fanless CPU embedded )**

## **POS-1500-2D-Atom N270**

# **15" Fanless Industrial POS PC Specification**

### **Features :**

- **15" Industrial grade TFT XGA LCD Solution**
- **12.1" Industrial grade TFT LCD monitor for 2<sup>nd</sup> display**
- **Embedded Intel Atom N270 ( 1.6Ghz /512K cache ) low power Fanless processors**
- **DDR 2 DIMM x 2, Max. 2.0 GB**
- **Onboard Intel 82562 10/100 Mbits Lan Ethernet**  
**Or Intel 82574L 10/100/1000 giga Lan Ethernet ( By request )**
- **Integrated 945GSE built in Intel Graphic media accelerator 950 graphic core, Supports CRT and TFT LCD display**
- **8 x USB 2.0 ports**
- **4 x COM ports ( COM 2 can be configurable to RS422/485 )**
- **1 x printer port**
- **Watchdog timer**
- **Digital I/O ( 4 in/4 out )**
- **One PCI expansion ( by request )**
- **Inverter board built in for TFT LCD panel**
- **Touch screen controller board for 5 wires resistive touch**
- **DC12V single power input**
- **Aluminum front panel , metal housing & stand meet industrial grade**
- **Tilting angle 10°~90° Countertop Stand**
- **Size: 345 mm ( H ) x 442 mm ( W ) x 203 mm ( D )**
- **RoHS Compliance**



## System Specification :

**Form Factor**

**Mini itx Form factor**

**Processor**

**Intel Atom N270 1.6Ghz/512K cache FSB/ 533 Mhz Processor**

**System Chipset**

**Intel N270 + 945GSE + ICH7M**

**System Memory**

**DDR2 DIMM module x 2 , max. 2.0GB ( Default 1.0GB )**

**BIOS**

**Award 8Mbit**

**Ethernet**

**Intel 8256210/100 Mbits Lan or Intel 82574L 10/100/1000 Giga Lan Ethernet**

**Audio**

**Realtek ALC 662 HD Audio , 5.1 channel**

**Serial**

**4 x RS-232 ( COM2 can be configurable to RS-422/485 )**

**USB**

**8 x USB 2.0**

**KB / Mouse Connector**

**2 x PS/2**

**Card Reader**

**MSR track 1,2,3**

**Stand**

**Tilting angle 10 deg. To 90 deg. Countertop Stand**

**HDD**

**2.5 inch 40GB/60GB/80/160GB up or Compact flash 2.0GB/4.0GB/8.0GB up**

**OS Optional**

**Windows XP Professional / Embedded / WePOS/POS2009 Ready**

**Power Adapter**

**100V ~ 240V AC IN**

**Dimension**

**345 mm ( H ) x 442 mm ( W ) x 203 mm ( D ) ( with MSR reader installed )**

**Temperature**

**Operating : 0 °C to 60 °C**

**Humidity**

**10% to 90% non condensing**

## LCD Panel Specification :

<b>Viewable Size Image</b>	<b>15"</b>
<b>Active Display Area( mm )</b>	<b>304.1 (H) x 228.1 (V)</b>
<b>Pixel Pitch ( mm )</b>	<b>0.297 (H) x 0.297 (V)</b>
<b>Pixels HxV</b>	<b>1024x3( RGB) x768</b>
<b>Contrast Ratio</b>	<b>700:1 (typical.)</b>
<b>Display Color</b>	<b>16.2M/262K colors</b>
<b>Brightness (cd/m2)</b>	<b>300 (typical.)</b>
<b>Viewing Angle</b>	<b>-60~70 (H); -50~65 (V)</b>
<b>Recommend Resolution</b>	<b>1024x768@60Hz, 75Hz</b>
<b>Power source</b>	<b>AC 100~240 V, Universal,±10%</b>
<b>Power Consumption</b>	<b>10 W typical, normal operation</b>
<b>Power Management</b>	<b>VESA DPMS Compliant</b>
<b>Plug Play</b>	<b>VESA DDC 1/2B</b>
<b>Lamp life</b>	<b>50,000 hours</b>
<b>Touch Screen</b>	<b>5 wires Resistive</b>

## 2<sup>nd</sup> TFT LCD monitor for Customer Display specification :

Viewable Size Image

12.1"

Active Display Area( mm )

245.76(H) x 145.32(V)

Pixel Pitch ( mm )

0.240(H)x 0.240(V)

Pixels HxV

800 x 600 or 1024x768

Contrast Ratio

300:1 (typical.)

Display Color

16.2M/262K colors

Brightness (cd/m2)

200 (typical.)

Viewing Angle

-60~70 (H); -50~65 (V)



# POS-1500-2D-C2D 1.6G

## 15" Industrial POS PC Specification

### Features :

- 15" Industrial grade TFT XGA LCD Solution
- 12.1" Industrial grade TFT LCD monitor for 2<sup>nd</sup> display
- Intel Mobile Core 2 duo 1.6Ghz processors with fan installed
- DDR 2 DIMM x 2, Max. 4.0 GB
- Onboard Intel 82562 10/100 Mbits Lan Ethernet  
Or Marvell 88E8053 10/100/1000 giga Lan Ethernet ( By request )
- Integrated Intel 945 GME built in VGA graphic ,  
Supports CRT and TFT LCD display
- 6 x USB 2.0 ports
- 2 x COM ports ( COM 2 can be configurable to RS422/485 )
- 1 x printer port
- Watchdog timer
- Digital I/O ( 4 in/4 out )
- One PCI expansion by request
- Inverter board built in for TFT LCD panel
- Touch screen controller board for 5 wires resistive touch
- DC12V single power input
- Aluminum front panel , metal housing & stand meet industrial grade
- Tilting angle 10°~90° Countertop Stand
- Size: 345 mm ( H ) x 442 mm ( W ) x 203 mm ( D )
- RoHS Compliance



## System Specification :

**Form Factor**

**Mini itx Form factor**

**Processor**

**Intel Mobile Core 2 duo 1.6Ghz/2M cache FSB/ 533 Mhz Processor**

**System Chipset**

**Intel 945GM + ICH7M**

**System Memory**

**DDR2 DIMM module x 2 , max. 4.0GB ( Default 1.0GB )**

**BIOS**

**Award 8Mbit**

**Ethernet**

**Intel 8256210/100 Mbits Lan or Marvell 88E8053 10/100/1000 Giga Lan Ethernet**

**Audio**

**ICH7M integrated audio with AC97 Codec**

**Serial**

**2 x RS-232 ( COM2 can be configurable to RS-422/485 )**

**USB**

**6 x USB 2.0**

**KB / Mouse Connector**

**2 x PS/2**

**Card Reader**

**MSR track 1,2,3**

**Stand**

**Tilting angle 10 deg. To 90 deg. Countertop Stand**

**HDD**

**2.5 inch 40GB/60GB/80/160GB up or Compact flash 2.0GB/4.0GB/8.0GB up**

**OS Optional**

**Windows XP Professional / Embedded / WePOS/POS2009 Ready**

**Power Adapter**

**100V ~ 240V AC IN**

**Dimension**

**345 mm ( H ) x 442 mm ( W ) x 203 mm ( D ) ( with MSR reader installed )**

**Temperature**

**Operating : 0 °C to 60 °C**

**Humidity**

**10% to 90% non condensing**

## LCD Panel Specification :

<b>Viewable Size Image</b>	<b>15"</b>
<b>Active Display Area( mm )</b>	<b>304.1 (H) x 228.1 (V)</b>
<b>Pixel Pitch ( mm )</b>	<b>0.297 (H) x 0.297 (V)</b>
<b>Pixels HxV</b>	<b>1024x3( RGB) x768</b>
<b>Contrast Ratio</b>	<b>700:1 (typical.)</b>
<b>Display Color</b>	<b>16.2M/262K colors</b>
<b>Brightness (cd/m2)</b>	<b>300 (typical.)</b>
<b>Viewing Angle</b>	<b>-60~70 (H); -50~65 (V)</b>
<b>Recommend Resolution</b>	<b>1024x768@60Hz, 75Hz</b>
<b>Power source</b>	<b>AC 100~240 V, Universal,±10%</b>
<b>Power Consumption</b>	<b>10 W typical, normal operation</b>
<b>Power Management</b>	<b>VESA DPMS Compliant</b>
<b>Plug Play</b>	<b>VESA DDC 1/2B</b>
<b>Lamp life</b>	<b>50,000 hours</b>
<b>Touch Screen</b>	<b>5 wires Resistive</b>

## 2<sup>nd</sup> TFT LCD monitor for Customer Display specification :

Viewable Size Image

12.1"

Active Display Area( mm )

245.76(H) x 145.32(V)

Pixel Pitch ( mm )

0.240(H)x 0.240(V)

Pixels HxV

800 x 600 or 1024x768

Contrast Ratio

300:1 (typical.)

Display Color

16.2M/262K colors

Brightness (cd/m2)

200 (typical.)

Viewing Angle

-60~70 (H); -50~65 (V)



# POS-1500-2D-LX800

## 15" Fanless Industrial POS PC Specification

### Features :

- 15" Industrial grade TFT XGA LCD Solution
- 12.1" Industrial grade TFT LCD monitor for 2<sup>nd</sup> display
- Embedded AMD Geode LX 800 low power Fanless processors
- DDR 1 DIMM x 1, Max. 1GB
- Onboard Realtek RTL8110SC 10/100/1000 Giga Lan Ethernet  
Or Realtek RTL8100C 10/100 Mbits Ethernet ( By request )
- Integrated LX800 2D VGA controller,  
Supports CRT and TFT LCD display ( both TTL and LVDS )
- 4 x USB 2.0 ports
- 6 x COM ports ( COM 2 can be configurable to RS422/485 )
- 1 x printer port
- Watchdog timer
- Digital I/O ( 4 in/4 out )
- One PCI expansion by request
- Inverter board built in for TFT LCD panel
- Touch screen controller board for 5 wires resistive touch
- DC12V or DC24V single power input ( By request )
- DC24V out put for printer or Cash drawer ( By request )
- Aluminum front panel , metal housing & stand meet industrial grade
- Tilting angle 10°~90° Countertop Stand
- Size: 345 mm ( H ) x 442 mm  
( W ) x 203 mm ( D )
- RoHS Compliance



## System Specification :

**Form Factor**

**Mini itx Form factor**

**Processor**

**AMD Geode LX-800 , 500MHz Processor**

**System Chipset**

**AMD CS5536 Companion Device**

**System Memory**

**1 x 184-pin DIMM, max. 1GB (Default 512MB)**

**BIOS**

**Award 4Mbit**

**Ethernet**

**Realtek RTL8110SC Giga Lan or Realtek RTL8100C 10/100 Mb/s Ethernet**

**Audio**

**Realtek ALC655 AC97 Chipset + AC97 codec**

**Serial**

**6 x RS-232 ( COM2 can be configurable to RS-422/485 )**

**USB**

**4 x USB 2.0**

**KB / Mouse Connector**

**2 x PS/2**

**Card Reader**

**MSR track 1,2,3**

**Stand**

**Tilting angle 10 deg. To 90 deg. Countertop Stand**

**HDD**

**2.5 inch 40GB/60GB/80GB up or Compact flash 2.0GB/4.0GB/8.0GB up**

**OS Optional**

**Windows XP Professional / Embedded / WePOS**

**Power Adapter**

**100V ~ 240V AC IN**

**Dimension**

**345 mm ( H ) x 442 mm ( W ) x 203 mm ( D ) ( with 3 in 1 reader installed )**

**Temperature**

**Operating : 0 °C to 60 °C**

**Humidity**

**10% to 90% non condensing**

## LCD Panel Specification :

<b>Viewable Size Image</b>	<b>15"</b>
<b>Active Display Area( mm )</b>	<b>304.1 (H) x 228.1 (V)</b>
<b>Pixel Pitch ( mm )</b>	<b>0.297 (H) x 0.297 (V)</b>
<b>Pixels HxV</b>	<b>1024x3( RGB) x768</b>
<b>Contrast Ratio</b>	<b>700:1 (typical.)</b>
<b>Display Color</b>	<b>16.2M/262K colors</b>
<b>Brightness (cd/m2)</b>	<b>300 (typical.)</b>
<b>Viewing Angle</b>	<b>-60~70 (H); -50~65 (V)</b>
<b>Recommend Resolution</b>	<b>1024x768@60Hz, 75Hz</b>
<b>Power source</b>	<b>AC 100~240 V, Universal,±10%</b>
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<b>Power Management</b>	<b>VESA DPMS Compliant</b>
<b>Plug Play</b>	<b>VESA DDC 1/2B</b>
<b>Lamp life</b>	<b>50,000 hours</b>
<b>Touch Screen</b>	<b>5 wires Resistive</b>

## 2<sup>nd</sup> TFT LCD monitor for Customer Display specification :

Viewable Size Image

12.1"

Active Display Area( mm )

245.76(H) x 145.32(V)

Pixel Pitch ( mm )

0.240(H)x 0.240(V)

Pixels HxV

800 x 600 or 1024x768

Contrast Ratio

300:1 (typical.)

Display Color

16.2M/262K colors

Brightness (cd/m2)

200 (typical.)

Viewing Angle

-60~70 (H); -50~65 (V)

