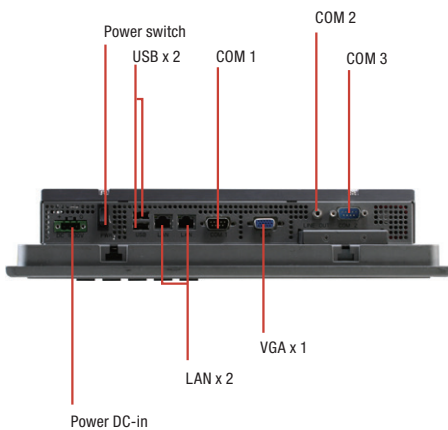
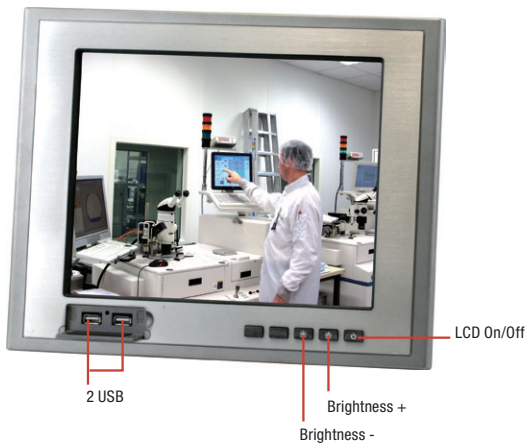


## 12.1" Rugged Fanless Touch Panel PC with Onboard Intel® Atom™ D525 Processor, 2 GB RAM



## Features

- 12.1" XGA (1024 x 768) TFT LCD Display
- Intel® Atom™ D525 Processor
- Fanless Operation
- Wide Operation Temperature: -20°C ~ 60°C
- IP65 Aluminum Die Cast Front Bezel
- 12.1" LCD with 1000/500 Nits XGA LED Backlight
- Two Easy Access Front USB Ports
- Power Input Protection:
  - Over-Voltage protection
  - Low-Voltage protection
  - Reverse-Voltage Protection

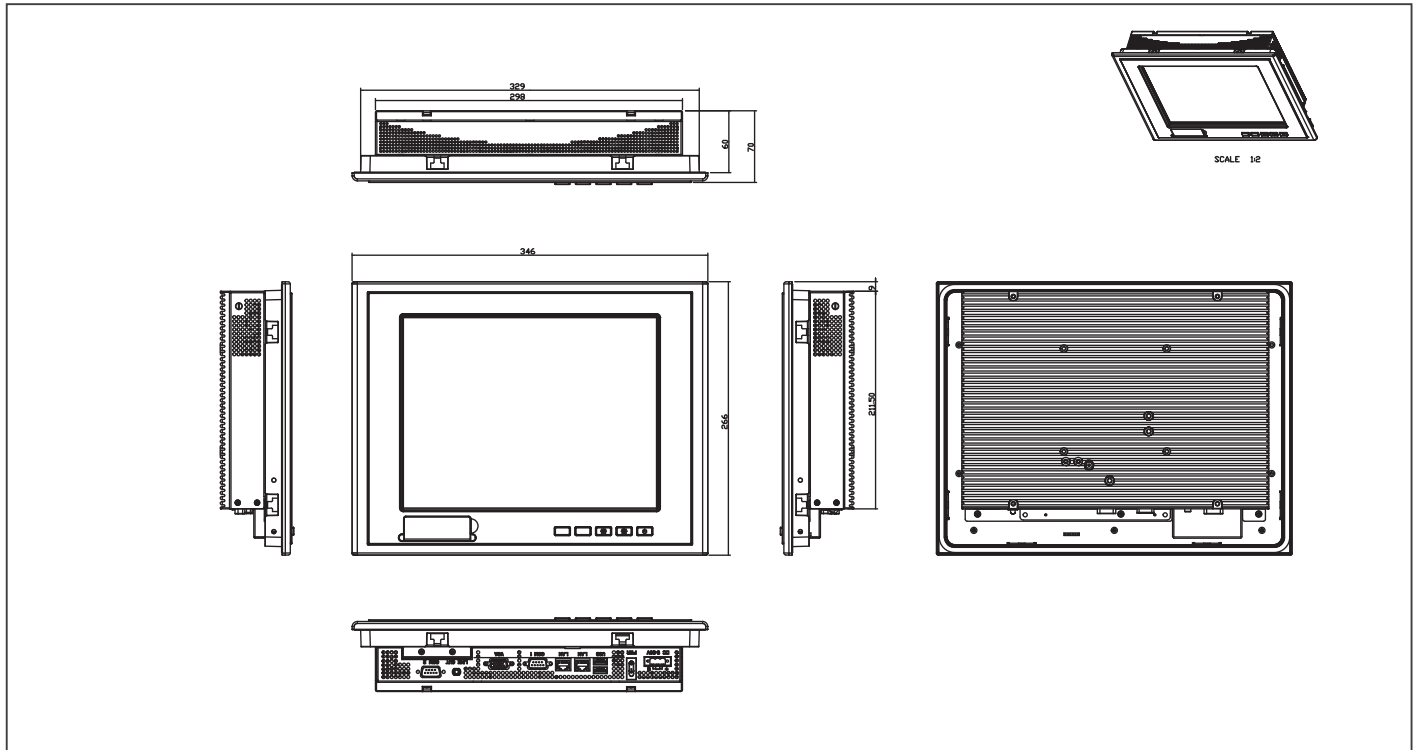


## Specifications

System	
Processor	Onboard Intel® Atom™ D525, 1.8 GHz
Memory	204-pin DDR3 800 MHz SODIMM x 1, up to 4 GB, default 2 GB RAM inside
LCD/CRT Controller	Integrated in Processor
Ethernet	10/100/1000Base-TX, RJ-45 x 2
I/O Port	RS-232 x 1, RS-232/422/485 x 1, USB 2.0 x 4 (2 on front; 2 on rear), Line-out x 1, VGA x 1
Storage Disk Drive	2.5" SATA HDD/ CompactFlash™ Slot (Internal)
Expansion Slot	Mini-Card x 1
OS support	Windows® XP, Windows® 7, Windows® CE, Linux Fedora
Mechanical	
Construction	IP65/ NEMA4 aluminum die cast front bezel & metal chassis
Mounting	Panel mount/ Wallmount/ VESA 100/ Desktop
Dimension	13.6" x 10.46" x 3.58" (345.6mm x 265.7mm x 91mm)
Carton Dimension	17.9" x 15.75" x 12.6" (455mm x 400mm x 320mm)
Gross Weight	19.8 lb (9 kg)
Net Weight	15.4 lb (7 kg)
Environmental	
Operating Temperature	-4°F ~ 140°F (-20°C ~ 60°C), w/o airflow
Storage Temperature	-4°F ~ 158°F (-20°C ~ 70°C)
Storage Humidity	10~95% @ 40°C, non-condensing
Vibration	1 Grms/5~500Hz/ random operation (HDD)
Shock	20 G peak acceleration (11 msec. duration)
EMC	CE/FCC class A
Power Supply	
DC input	DC 9~30V input; Over-Voltage protection; Low-voltage protection; Reverse-voltage protection
LCD	
Display Type	12.1" TFT-LCD
Max. Resolution	1024 x 768
Max. Colors	262k colors
Luminance	HTT: 500 cd/m <sup>2</sup> , STT: 1000 cd/m <sup>2</sup>
Viewing Angle	HTT: 160°(H)/160°(V), STT: 160°(H)/140°(V)
Back Light	HTT: LED, STT: LED
Back Light MTBF (Hours)	HTT: 50,000, STT: 100,000
Touchscreen	
Type	5-wire, analog resistive
Light Transmission	80%
Life Time	10 million activations

## Dimension

Unit: mm



## Ordering Information

Part Number	Display Type	Max. Resolution	Luminance	View Angle	Backlight MTBF (Hours)	CPU	LAN	USB	RS-232	RS-485/422/232	Storage	RAM	Display	Expansion	Mounting	Power	Temp.	Touch
TF-AHP-2122HTT-A2-1011	12.1" TFT-LCD	1024 x 768	500 cd/m <sup>2</sup>	160(H)/160(V)	50,000	Intel® Atom™ D525 - 1.8 GHz	2	4	1	1	CF kit x 1 SATA-HDD kit x 1	2 GB	VGA x 1	Mini-Card x 1	Desktop/ Wallmount/ VESA 100/ Panel mount	DC 9 ~ 30 V	-20°C~60°C (w/o air)	5-wire resistive
TF-AHP-2122STT-A2-1011	12.1" TFT-LCD	1024 x 768	1000 cd/m <sup>2</sup>	160(H)/140V	100,000	Intel® Atom™ D525 - 1.8 GHz	2	4	1	1	CF kit x 1 SATA-HDD kit x 1	2 GB	VGA x 1	Mini-Card x 1	Desktop/ Wallmount/ VESA 100/ Panel mount	DC 9 ~ 30 V	-20°C~60°C (w/o air)	5-wire resistive

## Packing List

- Phoenix Power Connector
- Mounting Brackets and Screws
- Product DVD
- AHP-2122

## Optional Accessories

- **1702031802**  
Power Cord (US Type)
- **1702031803**  
Power Cord (European Type)
- **170203180E**  
Power Cord (Japanese Type)
- **1255900841**  
12V 84W Power Adapter w/ 3-pin Terminal Block
- **ARM-WK075-0**  
Wallmount Kit