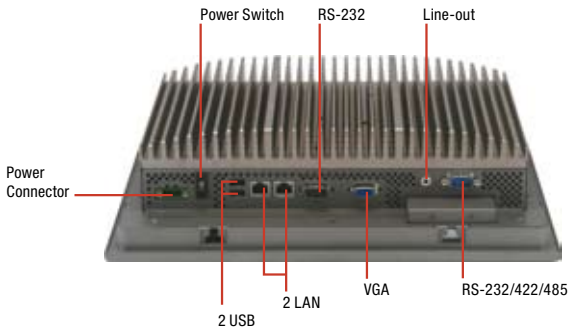
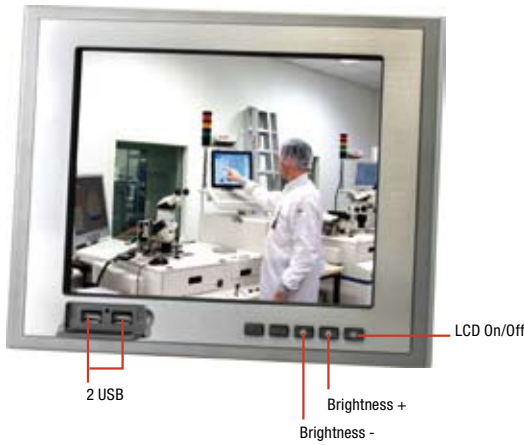


AHP-2122

12.1" Rugged Fanless Touch Panel Computer With Onboard Intel® Atom™ D525 Processor

02

Rugged HMI Touch Panel Solutions



Features

- 12.1" XGA (1024 x 768) TFT LCD Display
- Intel® Atom™ D525 Processor, Fanless Cooling System
- Wide Operation Temperature: -20°C ~ 60°C
- IP-65 Aluminum Die Cast Front Bezel
- 12.1" 500 Nits XGA LED Backlight
12.1" 1000 Nits XGA LED Backlight
- Two Easy Access Front USB Ports
- Power Input Protection:
Over-Voltage protection
Low-Voltage protection
Reverse Protection



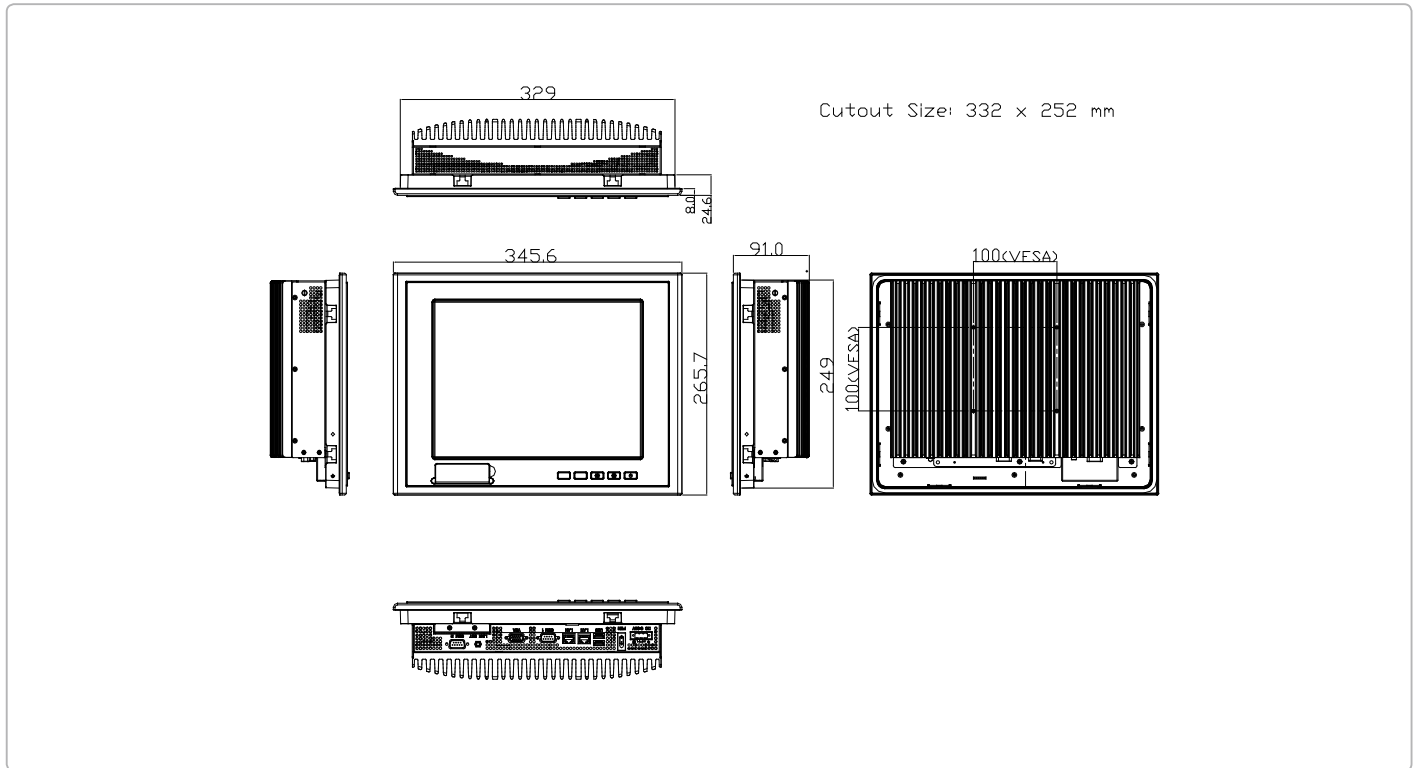
Specifications

System	
Processor	Onboard Intel® Atom™ D525, 1.8 GHz
Memory	DDR2 SODIMM x 1, up to 4GB
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, USB2.0 x 4 (2 on front; 2 on rear), Line-out x 1, VGA x 1
Storage Disk Drive	2.5" SATA Hard Disk Drive/ CompactFlash™ Slot (Internal)
OS support	Windows® XP, Windows® 7, Windows® CE, Linux Fedora
Mechanical	
Construction	IP-65/ NEMA4 for aluminum die Cast Front bezel & metal chassis
Mounting	Panel/ Wall/ VESA 100/ Desktop
Dimension	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)
Storage Temperature	-4°F ~ 158°F (-20°C ~ 70°C)
Storage Humidity	10%~95% @ 40°C; non-condensing
Vibration	1 g rms/5~500Hz/ Random operation (HDD)
Shock	20 G peak acceleration (11 msec. Duration)
EMC	CE/FCC Class A
Power Supply	
DC input	9~30V DC input: Over-Voltage protection; Low-voltage protection; Reverse protection
LCD	
Display type	12.1" TFT-LCD
Max Resolution	1024 x 768
Max. Colors	262k colors
Luminance	HTT: 500 cd/m ² , STT: 1000 cd/m ²
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: 60,000
Touchscreen	
Type	5-wire, Analog Resistive
Light Transmission	80%
Life time	35 Million activations

AHP-2122

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 ²	170(H), 160V	50,000	Intel® Atom™ D525 - 1.8 GHz	2	4	1	1	CF kit x 1 SATA-HDD Kit x 1	2G	VGA x 1	Mini Card x 1	Desktop/Wall/ VESA 100 / Panel	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 ²	160(H), 140V	60,000	Intel® Atom™ D525 - 1.8 GHz	2	4	1	1	CF kit x 1 SATA-HDD Kit x 1	2G	VGA x 1	Mini Card x 1	Desktop/Wall/ VESA 100 / Panel	DC 9 ~30 V	-20°C~60°C (w/o air)	5-wire resistive

Packing List

- Phoenix Power Connector
- Mounting Brackets and Screws
- CD-ROM for Manual (in PDF Format) and Drivers
- AHP-2122

Optional Accessories

- **1702031802**
Power Cord (US Type)
- **1702031803**
Power Cord (European Type)
- **170203180E**
Power Cord (Japanese Type)
- **9761215303**
Wireless b/g/n
- **1757908401**
12V 84W Power Adapter w/ 3-pin Terminal Block
- **9761115200**
WiFi Kit, 802.11b/g and Bluetooth® V2.0 + EDR
- **ARM-WK075-0**
Wallmount Kit