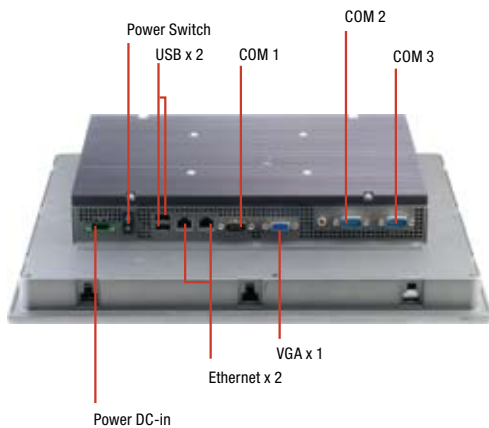


# AHP-2153

15" Rugged Fanless Touch Panel Computer With Onboard Intel® Atom™ D2550 Processor

02

Rugged HMI Touch Panel Solutions



## Features

- 15" XGA (1024 x 768) TFT LCD Display
- Intel® Atom™ D2550 Processor, Fanless Cooling System
- Wide Operation Temperature : -20°C ~ 60°C
- IP-65 Aluminum Die Cast Front Bezel
- 15" 400 Nits XGA LED Backlight  
15" 800 Nits XGA LED Backlight
- Two Easy Access Front USB Ports
- Power Input Protection:  
Over-Voltage Protection  
Low-Voltage Protection  
Reverse Protection



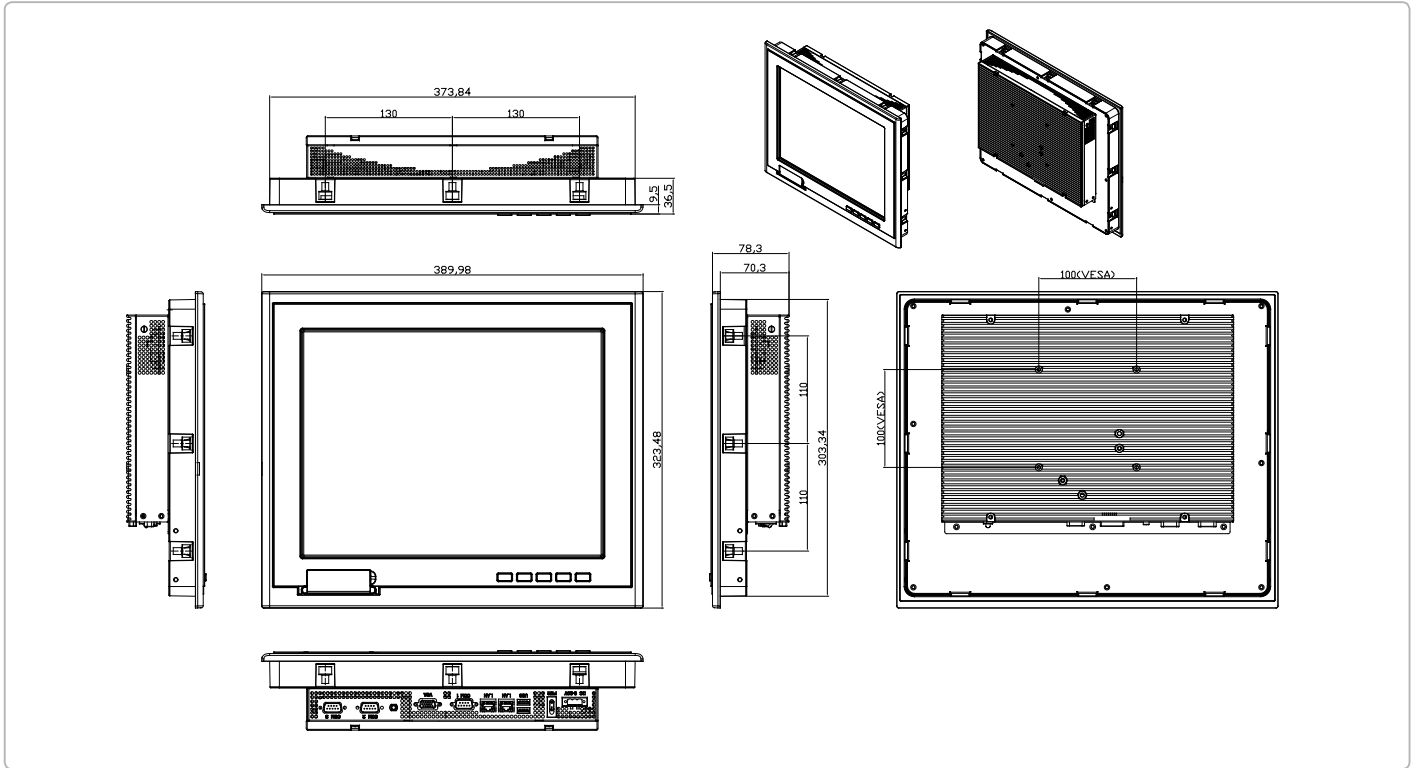
## Specifications

System	
Processor	Onboard Intel® Dual Core™ Atom™ D2550
Memory	DDR3 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 2, RS-232/422/485 x 1, USB2.0 x 6 (2 on front; 4 on rear), Line-out x 1, VGA x 1
Storage Disk Drive	2.5" SATA Hard Disk Drive/ CompactFlash™ Slot (Internal)
Expansion Slot	Mini Card x 1
OS support	Windows® 7, Linux Fedora
Mechanical	
Construction	IP-65/ NEMA4 for aluminum die Cast Front bezel & Aluminum chassis
Mounting	Panel/ Desktop/ VESA100/ Rack/ Wall
Dimension	15.35" x 12.74" x 3.08" (389.98mm x 323.48mm x 78.3mm)
Carton Dimension	20.08" x 9.84" x 18.11" (510mm x 250mm x 460mm)
Gross Weight	18.96 lb (8.62 Kg)
Net Weight	13.64 lb (6.2 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	15" TFT-LCD
Max Resolution	1024 x 768
Max. Colors	16.7M colors
Luminance	HTT: 400, STT: 800
Viewing Angle	HTT: 170°(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 resistive
Light Transmission	80%
Life time	35 Million activations

# AHP-2153

## 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-2153HTT-A2-1010	15" TFT-LCD	1024 x 768	400 cd/m <sup>2</sup>	170(H), 160V	50,000	Intel® Atom™ D2700 - 2.13GHz	2	4	2	1	CFast™ 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-2153HTT-A2-1011	15" TFT-LCD	1024 x 768	400 cd/m <sup>2</sup>	170(H), 160V	50,000	Intel® Atom™ D2550 - 1.86GHz	2	4	2	1	CFast™ 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-2153STT-A2-1010	15" TFT-LCD	1024 x 768	800 cd/m <sup>2</sup>	160(H), 140V	60,000	Intel® Atom™ D2700 - 2.13GHz	2	4	2	1	CFast™ 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-2153STT-A2-1011	15" TFT-LCD	1024 x 768	800 cd/m <sup>2</sup>	160(H), 140V	60,000	Intel® Atom™ D2550 - 1.86GHz	2	4	2	1	CFast™ 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-2153

## Optional Accessories

- **1702031802**  
Power Cord (US Type)
- **1702031803**  
Power Cord (European Type)
- **170203180E**  
Power Cord (Japanese Type)
- **1757908401**  
12V 84W Power Adapter w/ 3-pin Terminal Block
- **ARM-WK075-0**  
Wallmount Kit
- **9761315502**  
Rackmount Kit for AHP-2153 Without Carton
- **9761315503**  
Rackmount Kit for AHP-2153 With Carton
- **9761215300**  
(TF) Wireless LAN Kit, PER-C50W for AHP-2153, IEEE 802.11b/g/n, Bluetooth 3.0, w/ Cable & Antenna
- **9761215301**  
(TF) USB GPS Kit (LS20020), For AHP-2153
- **9761215302**  
(TF) 3G & GPS Kit (EM820W), For AHP-2153