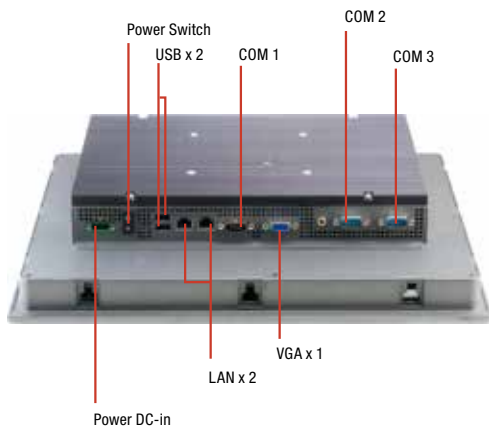


# AHP-2153

15" Rugged Fanless Touch Panel Computer With Onboard Intel® Atom™ D2550 Processor, 2 GB RAM



## Features

- 15" XGA (1024 x 768) TFT LCD Display
- Intel® Atom™ D2550 Processor, Fanless Cooling System
- Wide Operation Temperature: -20°C ~ 60°C
- IP65 Aluminum Die Cast Front Bezel
- 15" 400 Nits XGA LED Backlight
- Two Easy Access Front USB Ports
- Power Input Protection:
  - Over-Voltage Protection
  - Low-Voltage Protection
  - Reverse Protection



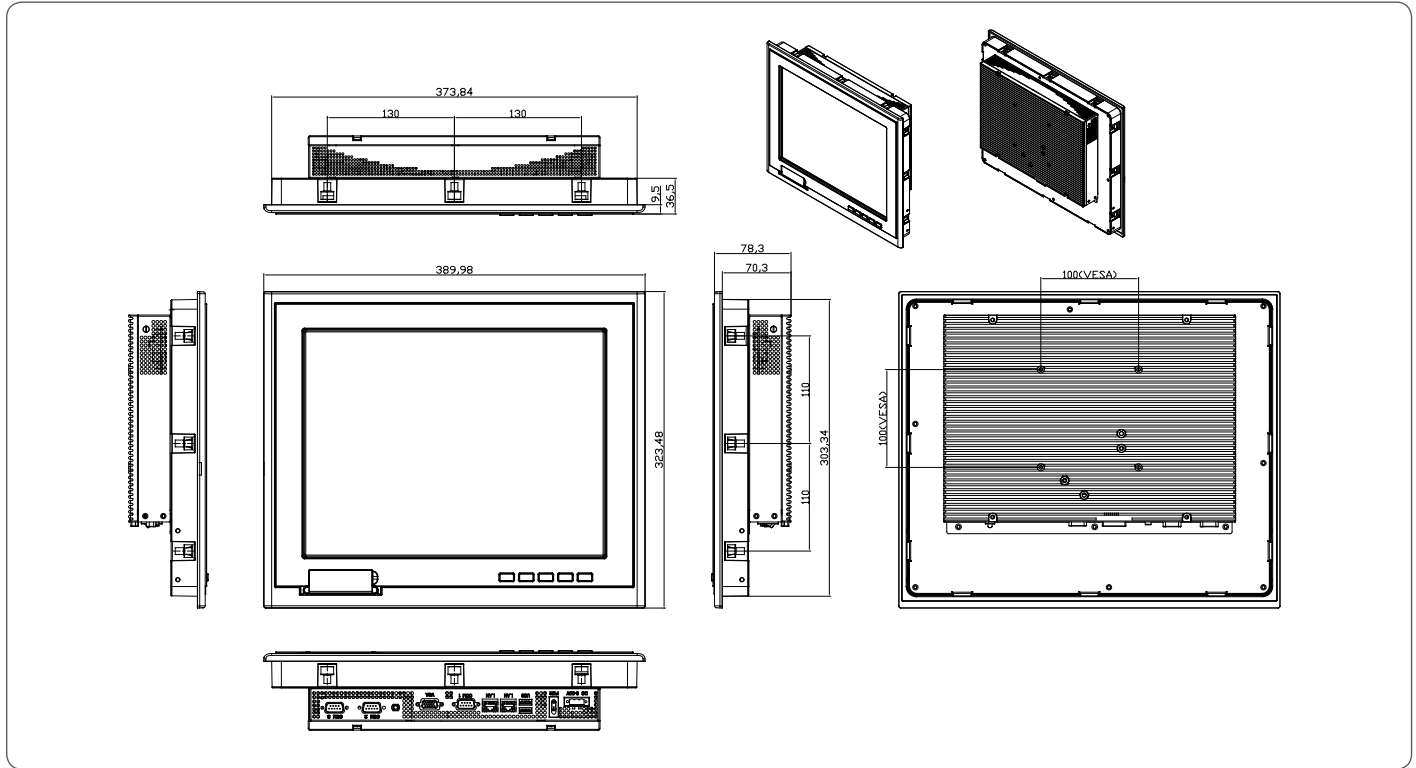
## Specifications

System	
Processor	Onboard Intel® Dual Core™ Atom™ D2550
Memory	204-pin DDR3 SODIMM x 1, up to 4 GB, Default: 2 GB
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 4 (2 on front; 2 on rear), Line-out x 1, VGA x 1
Storage Disk Drive	2.5" SATA Hard Disk Drive/ CFAST™ Slot (Internal)
Expansion Slot	Mini-Card x 1
OS support	Windows® XP Embedded, Windows® XP, Windows® 7 32-bit, Windows® Embedded Standard 7 32-bit, Linux Kernel 2.6.3 or above
Mechanical	
Construction	IP65/ 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 ~ 149°F (-20°C ~ 65°C) w/ Airflow -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 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 cd/m <sup>2</sup> , STT: 800 cd/m <sup>2</sup>
Viewing Angle	160°(H)/ 140°(V)
Back Light	LED
Back Light MTBF (Hours)	HTT: 50,000, STT: 100,000
Touchscreen	
Type	5-wire resistive
Light Transmission	80%
Life Time	10 Million times

# 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-A2-1012	15" TFT-LCD	1024 x 768	400 cd/m <sup>2</sup>	160(H)/140(V)	50,000	Intel® Atom™ D2550 - 1.86 GHz	2	4	2	1	CFast™ Kit x 1 SATA-HDD Kit x 1	2 GB	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-A2-1012	15" TFT-LCD	1024 x 768	800 cd/m <sup>2</sup>	160(H)/140(V)	100,000	Intel® Atom™ D2550 - 1.86 GHz	2	4	2	1	CFast™ Kit x 1 SATA-HDD Kit x 1	2 GB	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
- Product DVD
- 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
- **9761215303**  
WiFi Module b/g/n
- **9761215301**  
(TF) USB GPS Kit (LS20020), For AHP-2153
- **9761215302**  
(TF) 3G & GPS Kit (EM820W), For AHP-2153