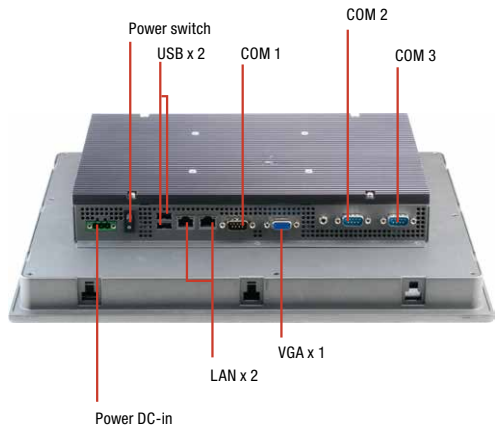


02 AHP-2153

Wide Temp. HMI Touch Panel PC Solutions

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



Features

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

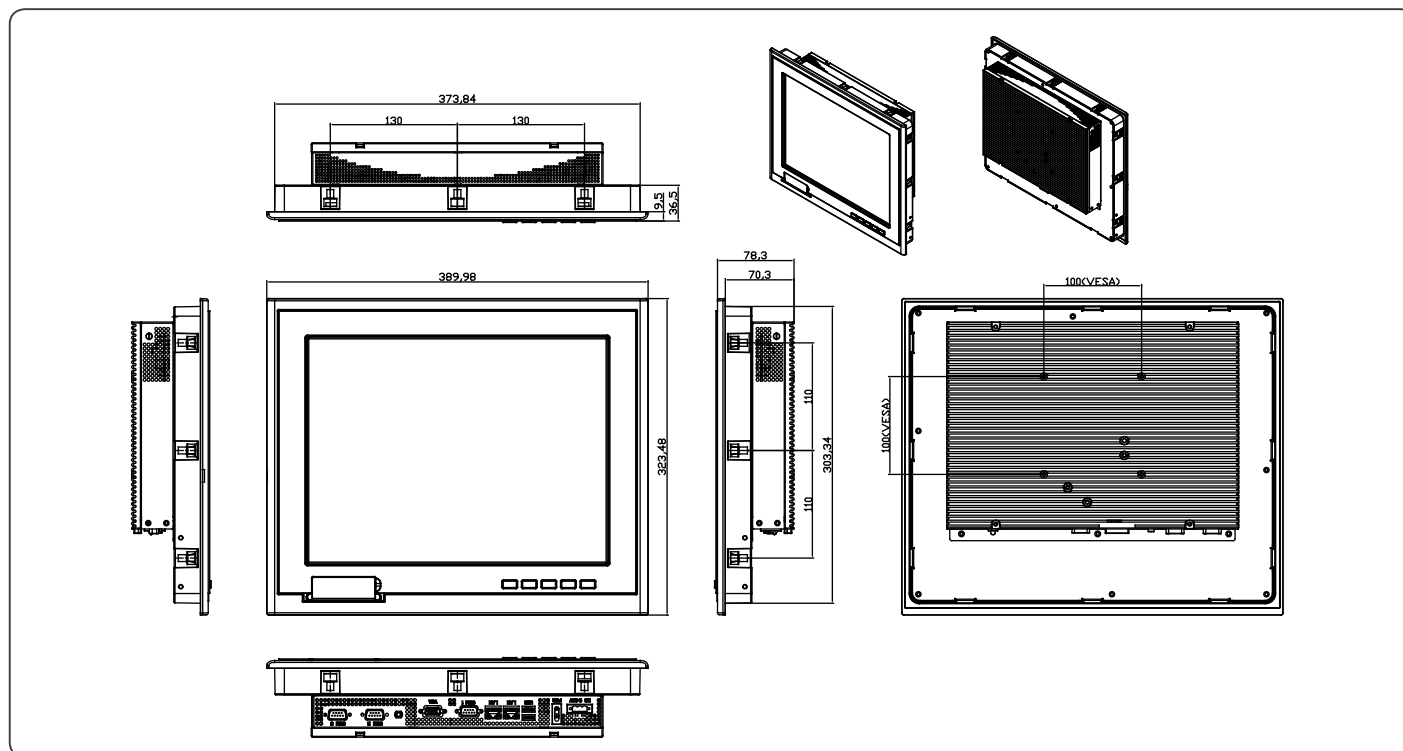


Specifications

System	
Processor	Onboard Intel® 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, 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/ 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 aluminum die cast front bezel & aluminum chassis
Mounting	Desktop/ VESA100/ Rackmount/ Wallmount/ Panel mount
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 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	15" TFT-LCD
Max. Resolution	1024 x 768
Max. Colors	16.7M colors
Luminance	HTT: 450 cd/m ² , STT: 800 cd/m ²
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 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-2153HTT-A2-1013	15" TFT-LCD	1024 x 768	450 cd/m ²	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/Wallmount/ VESA 100/ Panel mount	DC 9 ~30 V	-20°C~60°C (w/o air)	5-wire resistive
TF-AHP-2153STT-A2-1013	15" TFT-LCD	1024 x 768	800 cd/m ²	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/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-2153

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
- **9761315502**
Rackmount Kit for AHP-2153 without Carton
- **9761315503**
Rackmount Kit for AHP-2153 with Carton
- **9761115400**
WiFi Module b/g/n
- **9761215301**
(TF) USB GPS Kit (LS20020), For AHP-2153
- **9761215302**
(TF) 3G & GPS Kit (EM820W), For AHP-2153