



MicroTouch IC-215P-AW1-W10 Touch Displays Touch Screen Monitors User Manual

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MicroTouch IC-215P-AW1-W10 Touch Displays Touch Screen Monitors



Product Information

Touch Computer IC-215P-AW1-W10

The Touch Computer IC-215P-AW1-W10 is a high-performance computer designed for use in commercial and industrial applications. It features a 21.5-inch touchscreen display with full HD resolution, making it ideal for use in point-of-sale, kiosk, and digital signage applications.

Key Features

- 21.5-inch touchscreen display
- Full HD resolution (1920 x 1080)
- Intel Celeron J1900 processor
- 4GB DDR3 RAM
- 128GB SSD storage
- Windows 10 operating system
- Multiple input/output connectors
- VESA mount compatibility

Product Usage Instructions

Precautions

Before using the Touch Computer IC-215P-AW1-W10, please read the following precautions:

- Do not expose the computer to water or moisture.
- Do not use the computer in areas with extreme temperatures or humidity.
- Avoid placing heavy objects on top of the computer.
- Do not use the computer if the power cord or plug is damaged.

Turning the Touch Computer On and Off

To turn on the Touch Computer IC-215P-AW1-W10, press the power button located on the side of the computer. To turn off the computer, click on the Start menu, then click on the Power button and select Shut Down.

Input and Output Connectors

The Touch Computer IC-215P-AW1-W10 features multiple input and output connectors, including:

- USB 2.0 and 3.0 ports
- HDMI and VGA output ports
- Audio input and output jacks
- LAN port

Please refer to the user manual for more information on how to connect devices to these ports.

Mounting Options

The Touch Computer IC-215P-AW1-W10 is compatible with VESA mounts. To mount the computer, follow these steps:

1. Remove the stand from the computer.
2. Attach the VESA mount to the back of the computer using the provided screws.
3. Attach the VESA mount to a wall or other surface using the appropriate hardware.

Optional Accessory Installation

The Touch Computer IC-215P-AW1-W10 supports optional accessories, such as a stand, MSR, and camera. Please refer to the user manual for instructions on how to install these accessories.

By following these instructions, you can safely and effectively use the Touch Computer IC-215P-AW1-W10 for your business needs.

About This Document

No part of this publication may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language or computer language, in any form or by any means, including, but not limited to, electronic, magnetic, optical, chemical, manual, or otherwise without prior written permission of MicroTouch™ a TES Company.

Compliance Information

For FCC (USA)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This device complies with part 15 of the FCC Rules.

Operation is subject to the following two conditions

1. this device may not cause harmful interference
2. this device must accept any interference received, including interference that may cause undesired operation.

For IC (Canada)

- CAN ICES-3(B)/NMB-3(B)

For CE (EU)

- The device complies with the EMC Directive 2014/30/EU and Low Voltage Directive 2014/35/EU

Disposal Information

- Waste Electrical and Electronic Equipment
- This symbol on the product indicates that, under the European Directive 2012/19/EU governing waste from electrical and electronic equipment, this product must not be disposed of with other municipal waste. Please dispose of your waste equipment by handing it over to a designated collection point for the recycling of waste electrical and electronic equipment. To prevent possible harm to the environment or human health from uncontrolled waste disposal, please separate these items from other types of waste and recycle them responsibly to promote the sustainable reuse of material resources.
- For more information about recycling of this product, please contact your local city office or your municipal waste disposal service.

Safety Instructions**Important**

- Before using this product, please read the user manual thoroughly to help protect against property damage and to ensure your personal safety and the safety of others.
- Be sure to observe the following instructions.

- For installation or adjustment, please follow the instructions in this manual and refer all servicing to qualified service personnel.

Usage Notice

Warning

- To prevent the risk of fire or shock hazards, do not expose the product to moisture.

Warning

- Please do not open or disassemble the product, as this may cause electric shock.

Warning

- The AC power cord must be connected to an outlet with ground connection.

Precautions

- Please follow all warnings, precautions and maintenance as recommended in this user's manual to maximize the life of your unit.

Do

- Disconnect the power plug from AC outlet if the product is not going to be used for an extended period of time.

Don't

- Do not operate the product under the following conditions:
 - Extremely hot, cold or humid environment.
 - Areas susceptible to excessive dust and dirt.
 - Near any appliance generating a strong magnetic field.

Warnings

- To turn off touch computer power, press the "Power" button on the right side on the back of the touch computer.
- When the Power button is pressed, the main power of the touch computer is not turned off completely.
- To disconnect power completely, remove the power plug from the outlet.
- If any of the following occur, remove the power plug from the outlet immediately: the touch computer is dropped; the housing is damaged; water is spilled onto, or objects dropped inside the touch computer.
- Failure to immediately remove the power plug may result in fire or electrical shock. Contact qualified service personnel for inspection.
- If the power cord or plug is damaged or becomes hot, turn the touch computer off, make sure the power plug has cooled down and remove the power plug from the outlet.

- If the touch computer is still used in this condition, it may cause fire or electrical shock.

Installation Tips

Things to avoid

- Don't install in a high-temperature environment. Operating temperature: 0°C to 40°C (0°F to 104°F), storage temperature -20°C – 60°C (-4°F to 140°F). If the touch computer is used in a high-temperature environment or near any heat sources, the case and other parts may become distorted or damaged, resulting in overheating or electrical shock.
- Don't install in a high-humidity environment.
- **Operating humidity:** 20-90%
- Don't insert the power plug into anything other than a grounded 100-240V AC outlet.
- Don't use a damaged power plug or worn outlet.
- The use of extension cords is not recommended.
- The use of the power supply that comes with the MicroTouch product is strongly recommended.
- Don't place the touch computer on an unstable shelf or surface.
- Don't place objects on the touch computer.
- If the touch computer is covered or the vents are blocked, the touch computer could overheat and cause a fire.
- Please keep a 10 cm minimum distance between the touch computer and the surrounding structures to allow sufficient ventilation.
- Don't move the touch computer when it is connected to the power cord. When moving the touch computer, make sure to remove the power plug and cables.
- If you encounter a problem during installation, please contact your dealer for assistance. Do not attempt to repair or open the touch computer.

Product Overview

This desktop touch computer with Windows operating system is designed and developed to provide a flexible desktop touch computer solution with easily installed optional cameras and MSR accessories. Its versatility makes it an exceptional choice for applications in all business sectors, especially in the retail market.

Key Features

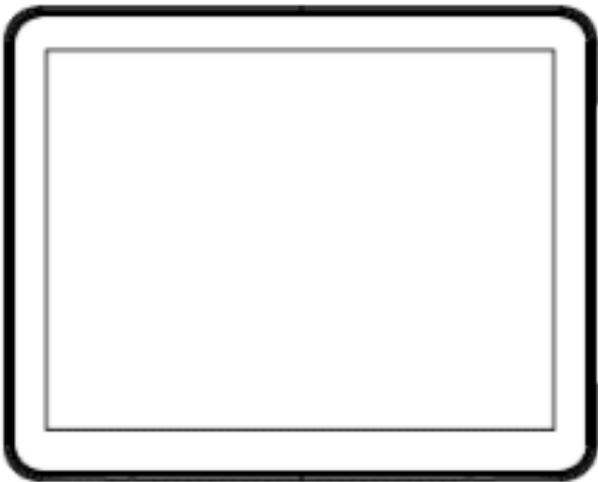
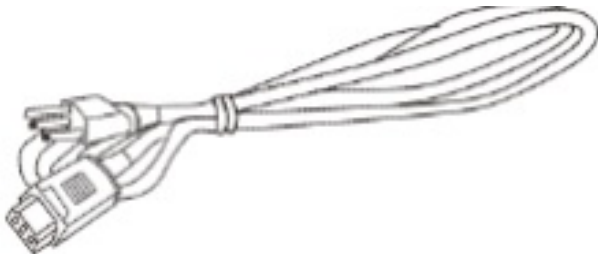
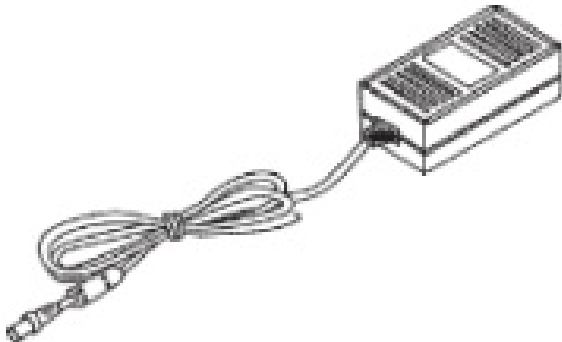
- **Processor:** Celeron® J1900
- **Size:** 21.5" TFT LCD
- **Resolution:** 1920 x 1080
- **Contrast Ratio:** 1000:1
- **Aspect Ratio:** 16:9
- **Brightness:** 225 cd/m²
- **View Angle:** H:178°, V:178°
- **Video Output Port:** 1 VGA
 - 100 mm x 100 mm VESA mount
 - P-cap touch with up to 10 simultaneous touches
- **Plug and Play:** no touch driver installation is required

- **Warranty:** 3 years

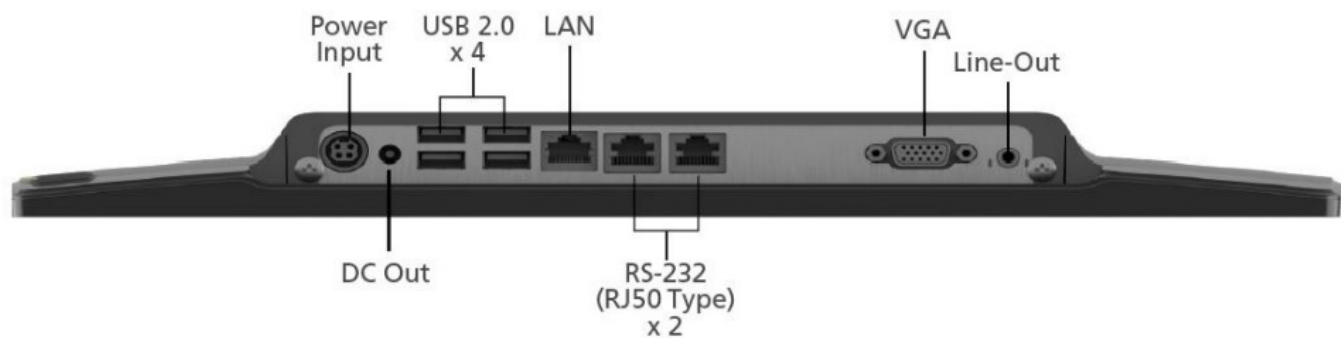
Unpacking

- When unpacking please ensure that all the items in the following Accessories section are included.
- If any are missing or damaged, please contact the place of purchase for a replacement.

Package Contents

No.	Part	Picture	Qty
1	LCD Touch computer		1
2	AC Power Cord IEC C15/C16 (1.8 m)		1
3	AC-DC converter		1

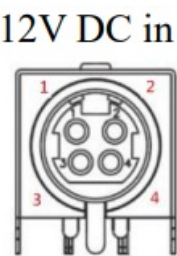
Product Setup and Use



Input and Output Connectors

Power Connector

Power Input: 4-pin 12VDC power connector



Pin #	Signal Name	Pin #	Signal Name
1	12VDC	2	12VDC
3	GND	4	GND

NOTE: USE THE CORRECT POWER SUPPLY.

- MicroTouch touch computer models IC-156P/215P-AW2, AW3, and AW4 have similar power connectors, but they are 24 VDC. If you have a mix of different models, check the voltage rating on the power converter to ensure it is the correct voltage for the touch computer model.
- **Auxiliary Power Output Connector**
- **DC Output:** 12VDC general purpose power output. Center pin: +12VDC'; barrel: ground.
- **Communications Ports**
- USB 2.0 Four type-A USB communications ports
- **RS-232:** Two RJ-50 serial RS-232 communications ports
- **Network Connection**
- LAN: RJ-45 Ethernet network connector (Supports 10/100/1000Mbps)

Video Output

- **VGA:** Analog video output

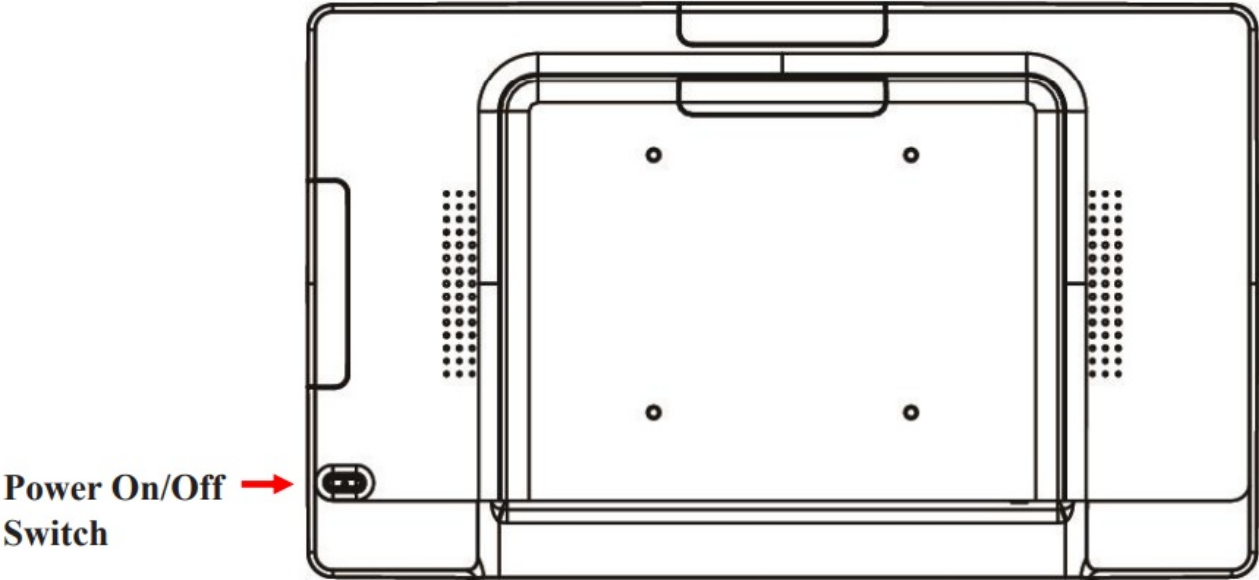
Audio Output

- **Line-Out:** Line-level audio output for an external speaker with amplification and volume control capabilities

Configuration and Cable Connections

- Power is supplied by the included AC-to-DC power supply’s fixed 12-volt DC cable connector. Align the key on the power adapter’s DC connector with the key on the DC jack on the touch computer and push the connector in. Plug the AC power cable female connector into the receptacle on the power converter, then plug the male connector of the AC cable into a wall outlet.
- Connect your network cable to the LAN connector. (communications ports are inputs/outputs).
- All other ports are optional outputs

Turning the Touch Computer On and Off



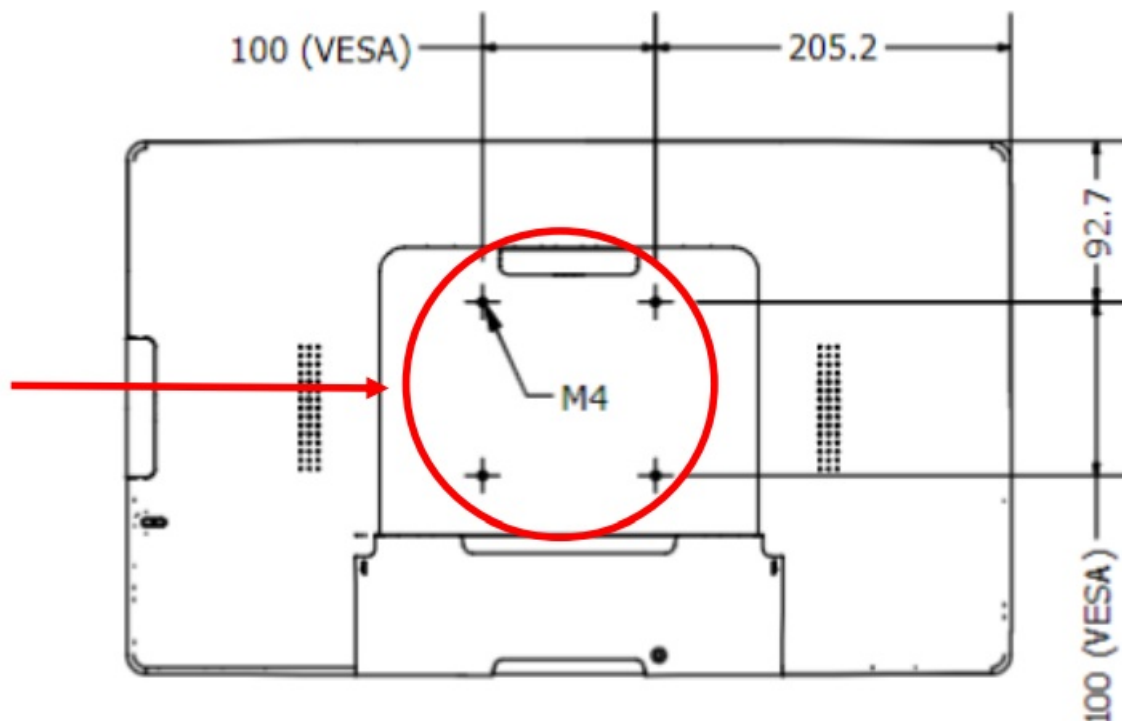
Function	Description
Power On	Press the Power button to power on
Sleep, Restart, and Shutdown	Use the Windows OS power controls to select
Forced power Off	Press and hold the Power button for 4 seconds to force power off (it is recommended to use the Windows Shutdown option)

Mounting options

The touch computer may be mounted to a stand, arm, or other devices that has a 100mm x 100mm standard VESA mount hole pattern.

VESA Mount

The touch computer has an integral VESA standard mount pattern that conforms to the “VESA Flat Display Mounting Interface Standard” which defines a physical mounting interface and corresponds to the standards for touch computer mounting devices.



Warning

- Please use the correct screws! The distance between the back cover surface and the bottom of the screw hole is 8 mm.
- Please use four M4 diameter screws with 8 mm length to mount the touch computer.

Specifications and Dimensions

Specifications

Item	Category	Specifications
Operating System	Windows 10	
Processor	Celeron® J1900	2.0 GHz, 2M Cache
GPU	Integrated Intel® HD Graphics engine	

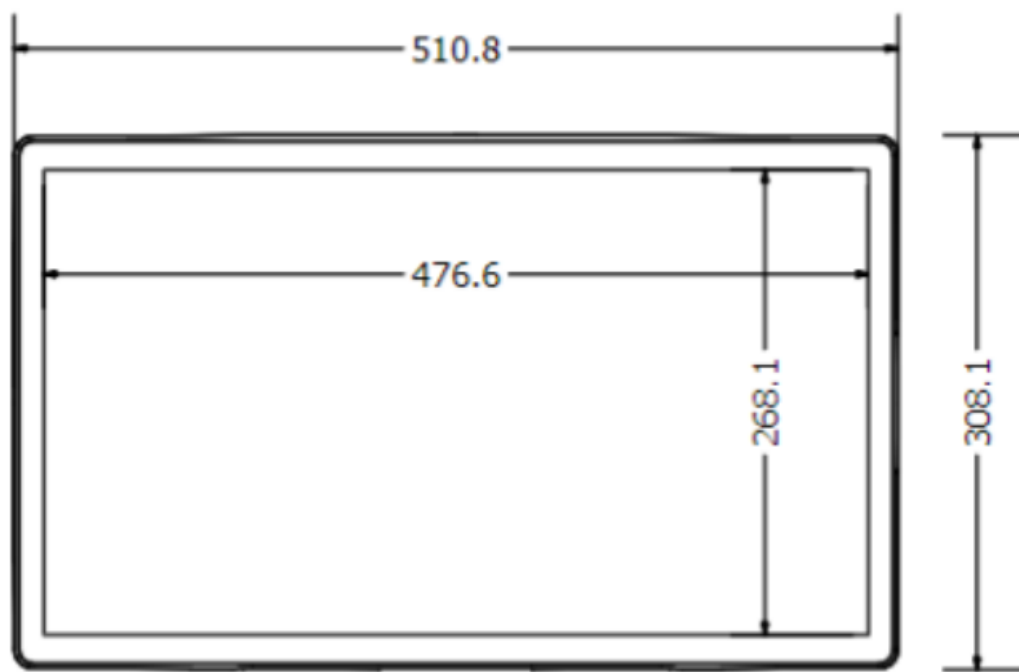
Memory	8GB	So-DIMM DDR3L 1333 MHz
Storage	128 GB	SSD
W-Fi	802.11	a/b/g/n/ac
Bluetooth	4.2	Supports BLE
LAN	1 x RJ45	Giga LAN
Communications Ports	4 x USB	2.0 Type A
	2 x RS-232	RJ-50 connector
LCD Panel	Size	15.6" TFT LCD
	Resolution	1920 x 1080
	Brightness (typical)	225 cd/m2
	Contrast Ratio (typical)	1000:1
	Number of Colors	16.7 million
	Viewing Angle (typical)	Horizontal: 178 degrees; Vertical: 178 degrees
Touch Screen	Touch Type	P-CAP
	Simultaneous touch points	Up to 10
Video Output	Type	VGA analog

Power	AC Adapter Input	AC 100V – 240V (50/60Hz), 60W max
	AC Adapter Output	12VDC, 5A max

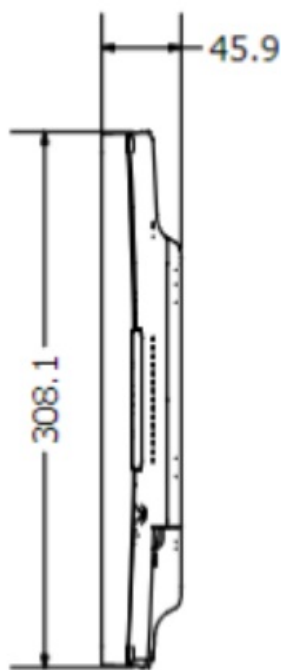
Speakers	2 x 2W	
Size and Weight	Dimensions (W x H x D) Without stand	510.8 mm x 308.1 x 45.9 mm
		14.53 in x 12.13 in x 1.81 in
	Dimensions (W x H x D) With IS-215-A1 Stand	510.96 mm x 322.28 x 172.98 mm
		20.12 in x 12.69 in x 6.81 in
	Net Weight	6.77 kg without stand, 9.34 kg with SS-215-A1 stand 14.93 lb without stand, 20.59 lb with SS-215-A1 stand
	VESA Mount	100 mm x 100 mm
Environment	Compliance	CE, FCC, LVD, RoHS
	Operating Temperature	0°C – 40°C
	Storage Temperature	-20°C – 60°C
	Operating Humidity	20% – 90% RH, non-condensing

Dimensions (without stand)

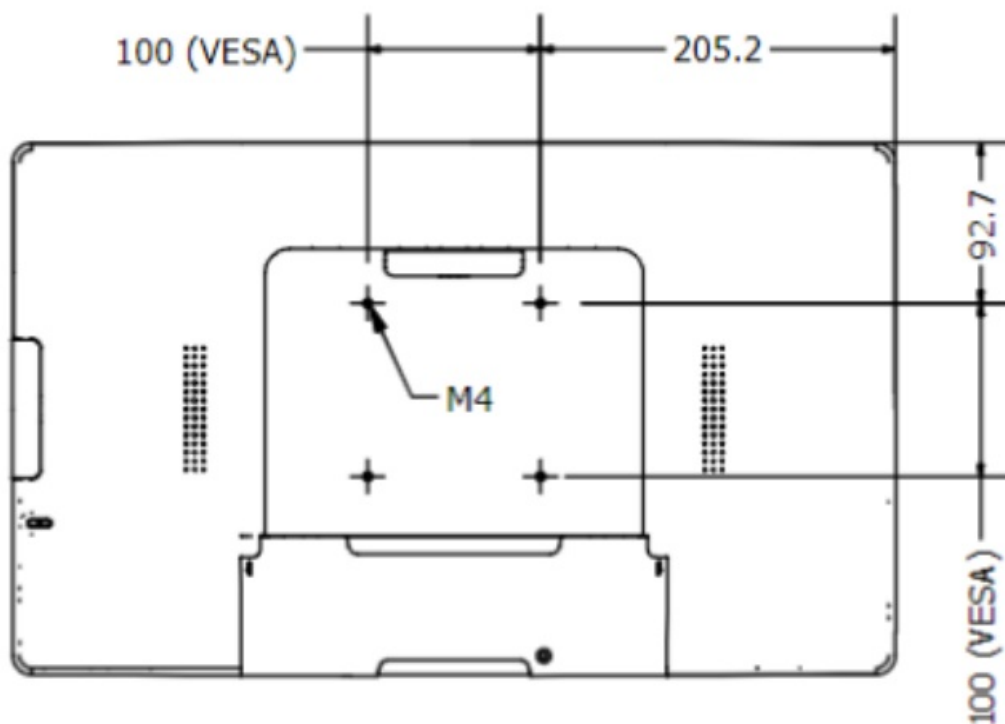
Front view



Side View

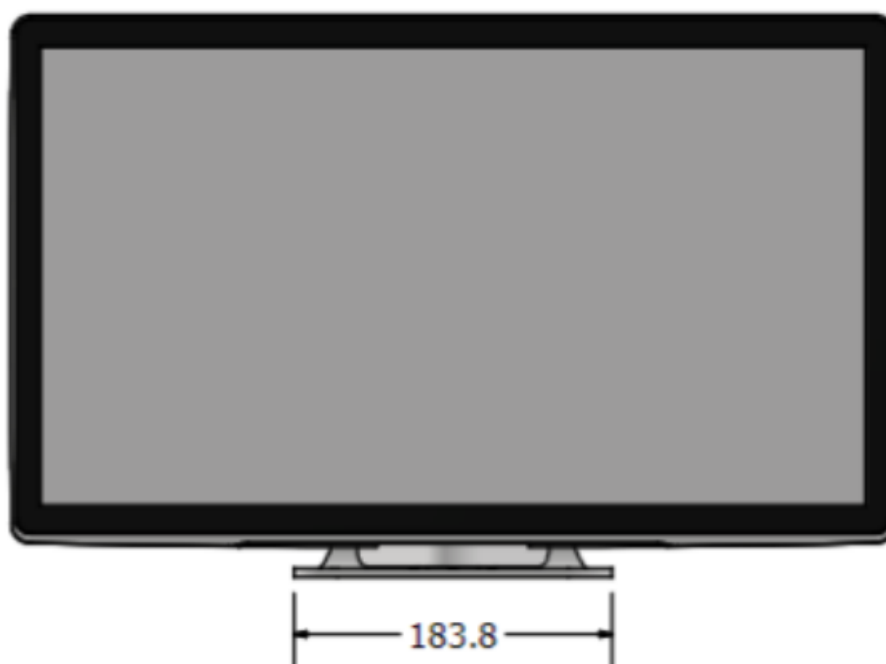


Rear View

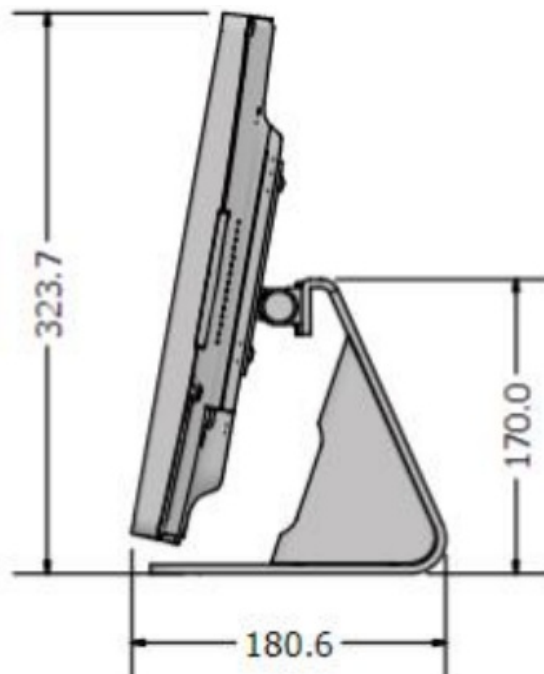


Dimensions (with SS-215-A1 stand)

Front view



Side View



Optional Accessory Installation

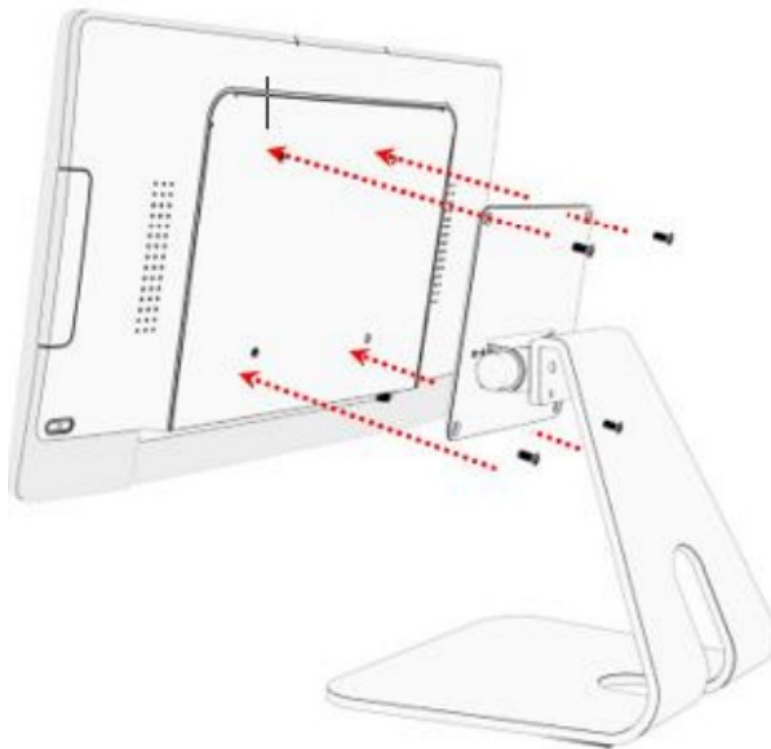
Note: Power the touch computer down before installing/ removing accessories.

Installing the Optional Stand

Place the touch computer face down on a clean padded surface.

Step 1: Place the stand on the VESA mount and align the screw holes.

Step 2: Install the four M4 screws to secure the stand to the touch computer.

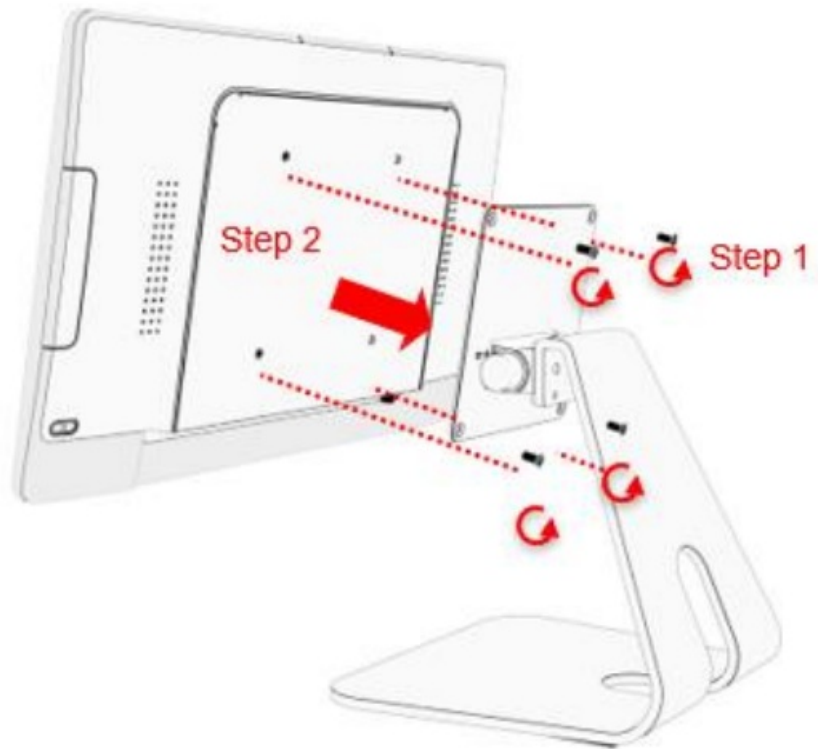


Removing the Optional Stand

Place the touch computer face down on a clean padded surface.

Step 1: Loosen the four screws

Step 2: Pull the stand away from the touch computer and remove it.

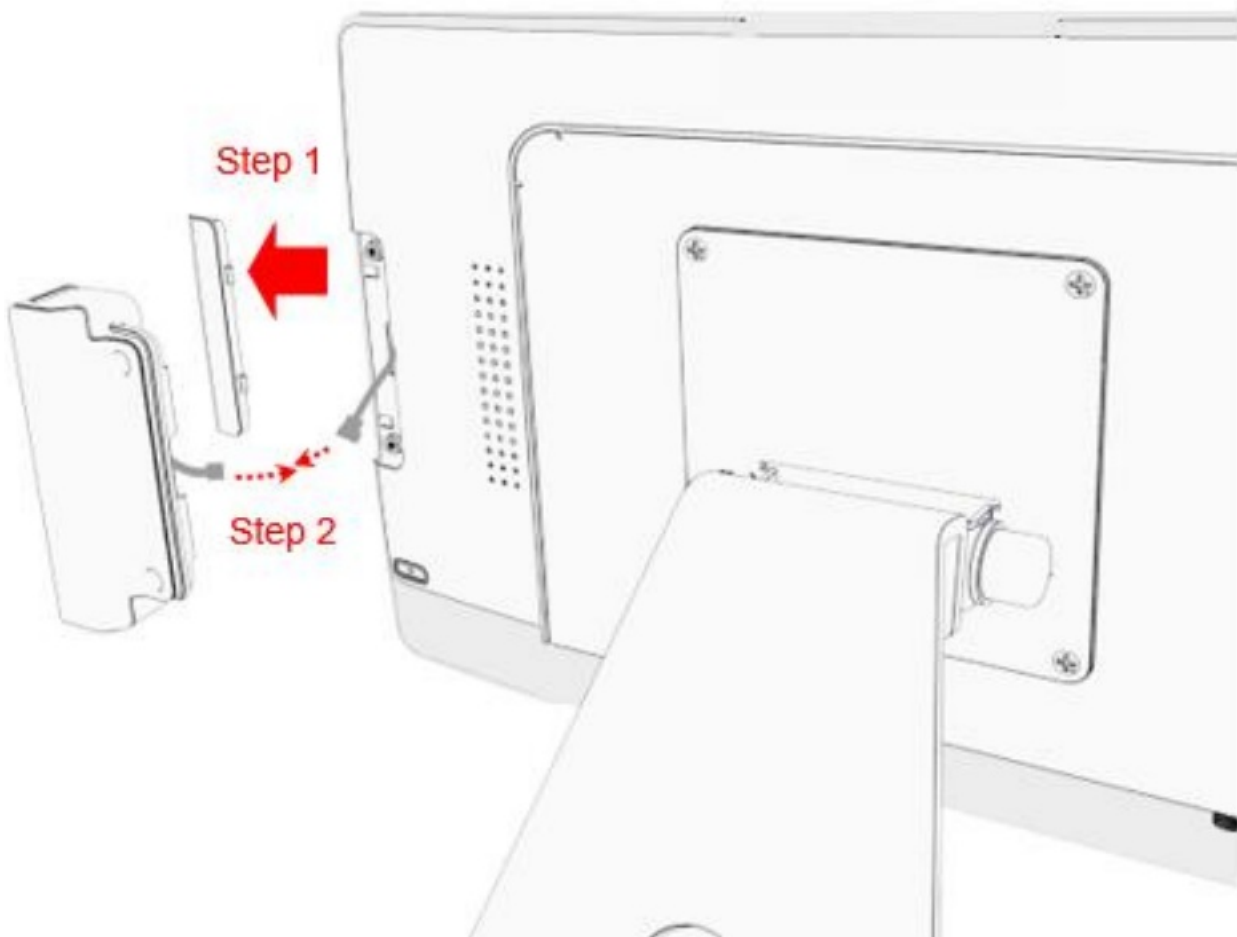


Installing the MSR

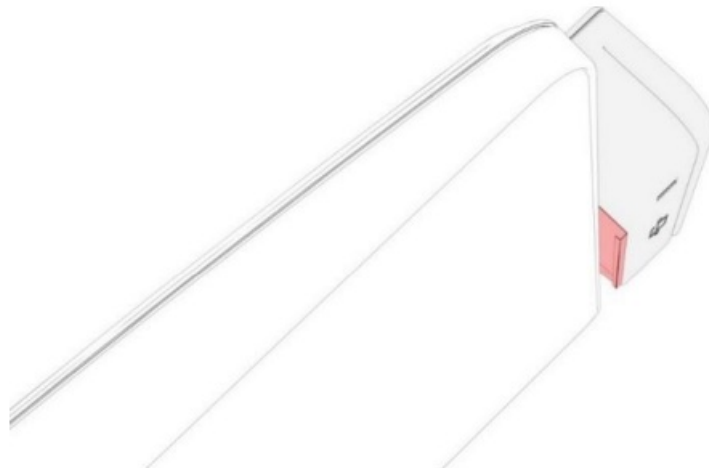
Step 1: Pull the accessory port cover away from the touch computer to remove it.

Step 2: Connect the MSR cable to the touch computer accessory cable.

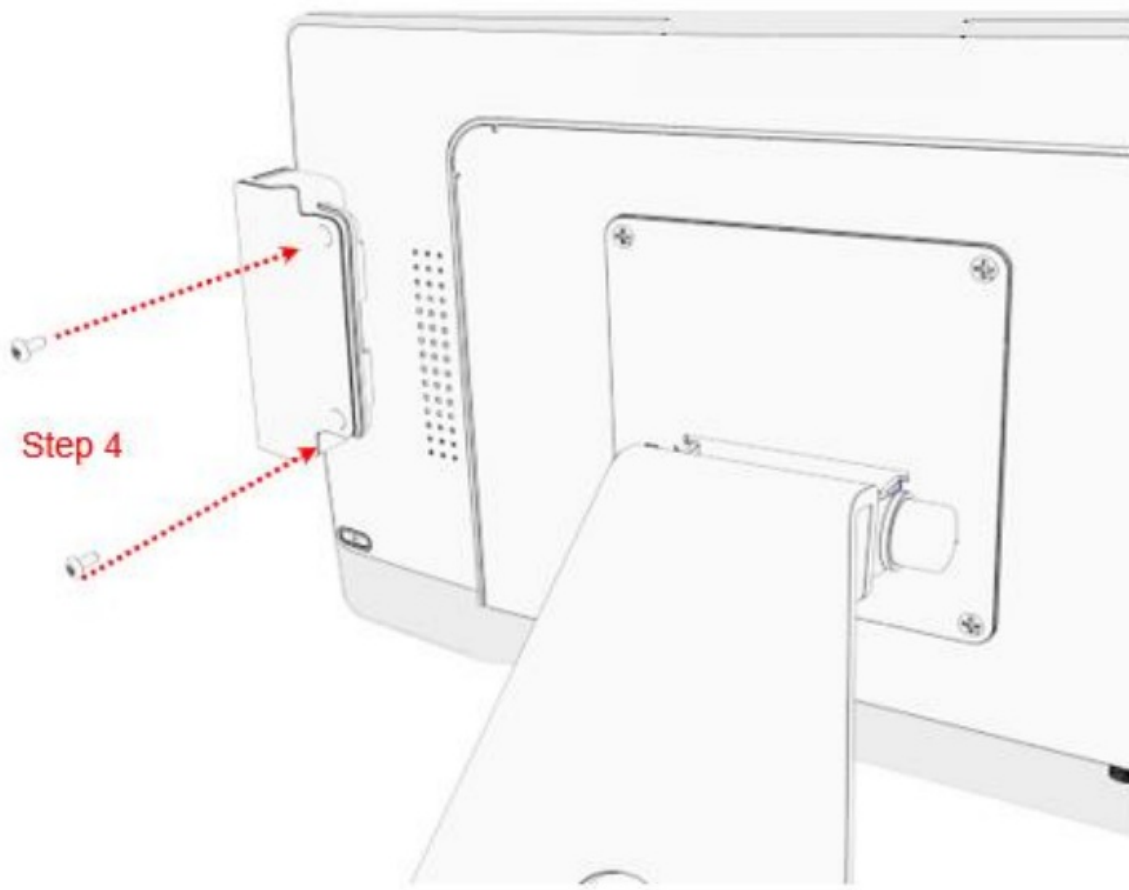
Important: Do not force – Be sure to properly align the polarity keys in the two connectors. The cable colors will also match from cable to cable.



Step 3: The metal bracket hooks into the gap between the cover glass and the bezel.



Step 4: Install the two M3 screws to secure the MSR.



Removing the MSR

- **Step 1:** Loosen the screws.
- **Step 2:** Disconnect the MSR cable from the touch computer and pull the metal bracket free of the slot.
- **Step 3:** Reinstall the accessory port cover.

Installing the Camera

The steps are the same as for the MSR with the exception of the metal bracket – the camera simply needs to be connected, positioned and the two screws installed. Removal is the reverse: Remove the screws, disconnect and stow the cable, and replace the cover.

Appendix

Cleaning

Turn off the product and disconnect from AC power before cleaning. Turning the product off protects against accidental touch selections that could cause problems or hazardous results. Disconnecting power protects against hazardous interaction between accidental liquid entry and electricity. To clean the case, dampen a clean cloth lightly with water and a mild detergent and wipe gently. Use a soft, dry cloth to clean areas that have ventilation openings to avoid getting any liquid or moisture inside. If liquid does get inside, do not use the product until it has been inspected and tested by a qualified service technician. To clean the touch screen, apply a glass cleaning solution to a soft cloth and wipe the screen clean. To ensure that liquid does not enter the product, do not spray cleaning solution directly onto the touch screen or any other part. Do not use volatile solvents, waxes or any abrasive cleaners on any part of the product.

Solutions to Common Problems

- Touch functionality doesn't work or works incorrectly.
- Completely remove any protective sheets from the touch screen, then cycle power Off/On.
- Ensure that the touch computer is in an upright position with nothing touching the screen, then cycle power Off/On.

Warranty Information

Except as otherwise stated herein, or in an order acknowledgment delivered to Buyer, Seller warrants to Buyer that the Product shall be free of defects in materials and workmanship. The warranty for the touch computer and its components is three years. The seller makes no warranty regarding the model life of components. Seller's suppliers may at any time and from time to time make changes in the components delivered as Products or components. Buyer shall notify Seller in writing promptly (and in no case later than 30 days after discovery) of the failure of any Product to conform to the warranty set forth above; shall describe in commercially reasonable detail in such notice the symptoms associated with such failure; and shall provide to Seller the opportunity to inspect such Products as installed, if possible. The notice must be received by Seller during the Warranty Period for such product unless otherwise directed in writing by the Seller. Within thirty days after submitting a such notice, Buyer shall package the allegedly defective Product in its original shipping carton(s) or a functional equivalent and shall ship to Seller at Buyer's expense and risk. Within a reasonable time after receipt of the allegedly defective Product and verification by Seller that the Product fails to meet the warranty set forth above, Seller shall correct such failure by, at Seller's options, either (i) modifying or repairing the Product or (ii) replacing the Product. Such modification, repair, or replacement and the return shipment of the Product with minimum insurance to Buyer shall be at Seller's expense. Buyer shall bear the risk of loss or damage in transit and may insure the Product. Buyer shall reimburse Seller for transportation cost incurred for Product returned but not found by Seller to be defective. Modification or repair, of Products may, at Seller's option, take place either at Seller's facilities or at Buyer's premises. If Seller is unable to modify, repair, or replace a Product to conform to the warranty set forth above, then Seller shall, at Seller's option, either refund to Buyer or credit to Buyer's account the purchase price of the Product less depreciation calculated on a straight-line basis over Seller's stated Warranty Period. These remedies shall be the buyer's exclusive remedies for breach of warranty. Except for the express warranty set forth above, the seller grants no other warranties, express or implied by statute or otherwise, regarding the products, their fitness for any purpose, their quality, their merchantability, their non-infringement, or otherwise. No employee of Seller or any other party is authorized to make any warranty for the goods other than the warranty set forth herein. The seller's liability under the warranty shall be limited to a refund of the purchase price of the product. In no event shall Seller be liable for the cost of procurement or installation of substitute goods by Buyer or for any special, consequential, indirect, or incidental damages. Buyer assumes the risk and agrees to indemnify Seller against and hold Seller harmless from all liability relating to (i) assessing the suitability for Buyer's intended use of the Products and of any system design or drawing and (ii) determining the compliance of Buyer's use of the Products with applicable laws, regulations, codes, and standards. Buyer retains and accepts full responsibility for all warranty and other claims relating to or arising from Buyer's products, which include or incorporate Products or components manufactured or supplied by Seller. Buyer is solely responsible for any and all representations and warranties regarding the Products made or authorized by Buyer. Buyer will indemnify Seller and hold Seller harmless from any liability, claims, loss, cost, or expenses (including reasonable attorney's fees) attributable to Buyer's products or representations or warranties concerning same.

RoHS Declaration

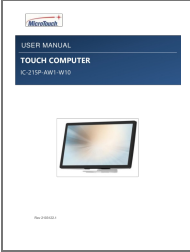
Equipment name Touch LCD Touch computer Type designation (Type) IC-215P-AW1-W10						
Component	Restricted substances and their chemical symbols					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent chromium (Cr+6)	Polybrominated biphenyls (PBB)	Polybrominated diphenyl ethers (PBDE)
Plastic Parts	○	○	○	○	○	○
Metal Parts		○	○	○	○	○
Cable components		○	○	○	○	○
LCD Panel		○	○	○	○	○
Touch Panel		○	○	○	○	○
PCBA		○	○	○	○	○
Software	○	○	○	○	○	○
Notes ○ indicates that the percentage of the restricted substance does not exceed the permissible limit. – indicates that the restricted substance is exempt.						

- www.MicroTouch.com
- www.usorders@microtouch.com
- TES AMERICA LLC
- 215 Central Avenue, Holland, MI 49423
- (616) 786-5353
- The information presented in this user manual is intended as general information about MicroTouch products

and is subject to change. Product specifications and warranties will be governed by TES America, LLC.
Standard terms and conditions of sale. Products are subject to availability.

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Documents / Resources

	MicroTouch IC-215P-AW1-W10 Touch Displays Touch Screen Monitors [pdf] User Manual IC-215P-AW1-W10 Touch Displays Touch Screen Monitors, IC-215P-AW1-W10, Touch Displays Touch Screen Monitors, Touch Screen Monitors, Screen Monitors
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References

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