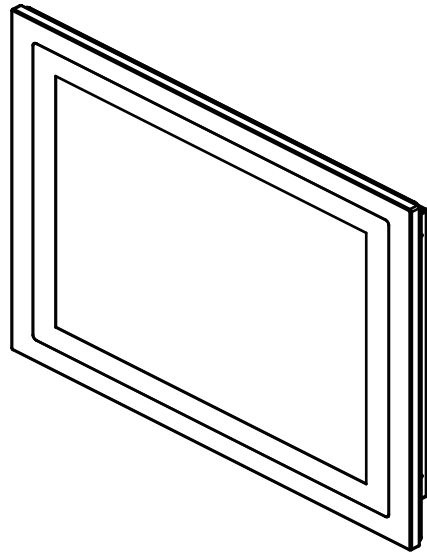


SP-S211

Quick Reference Guide



Ver. Q1

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Specification

System

CPU Type	Intel® Celeron® J3455 4C, 2.3GHz
Memory Support	1 x DDR3L 1600/1867 SO-DIMM socket (up to 8 GB)
Drive Bay	1 x 2.5" SATAIII HDD or SSD drive space
Front Bezel	Stainless steel (SUS 304)
IP65	Yes (for front panel only)
Power Supply	DC In 9~36V
Operating System	Windows 10 IoT Ent. 2019 LTSC/LTSB 2016 64bit/Ubuntu16.04 LTS
System Weight	10kg
Dimensions (WxHxD)	585 x 377 x 91.6mm
Mounting Support	Wall Mount / VESA 100 / Panel Mount
Watchdog	1~255 seconds watchdog timer selectable
Certifications	FCC/CE

I/O Ports

Display	1 x HDMI (up to 4K), 1 x DVI-D
USB	3 x USB 3.0
Serial Ports	COM1/2 for RS-232/422/485 selectable under BIOS RI/5V/12V selectable by jumper
Antenna Holes	4 x antenna holes
Drive Bay	1 x 2.5" SATAIII HDD or SSD drive space
Expansion Slots	1 x full-sized Mini PCIe(mSATA or 3G/4G card with USB 2.0 signals) 1 x full-sized Mini PCIe(PCle or 3G/4G card with USB 2.0 signals) 1 x SD slot / 2 x SIM slots
LAN	2 x LANs with PoE (IEEE 802.3af) as option, Wake-On-LAN, PXE LAN 1: Intel® I210IT / LAN 2: Intel® I210IT
Audio	1 x Line Out / 1 x Mic In
Power On/Off	1 x power button, 1 x remote switch
LED	2 x PoE LED indicators
I ² C	1 x I ² C port

Display

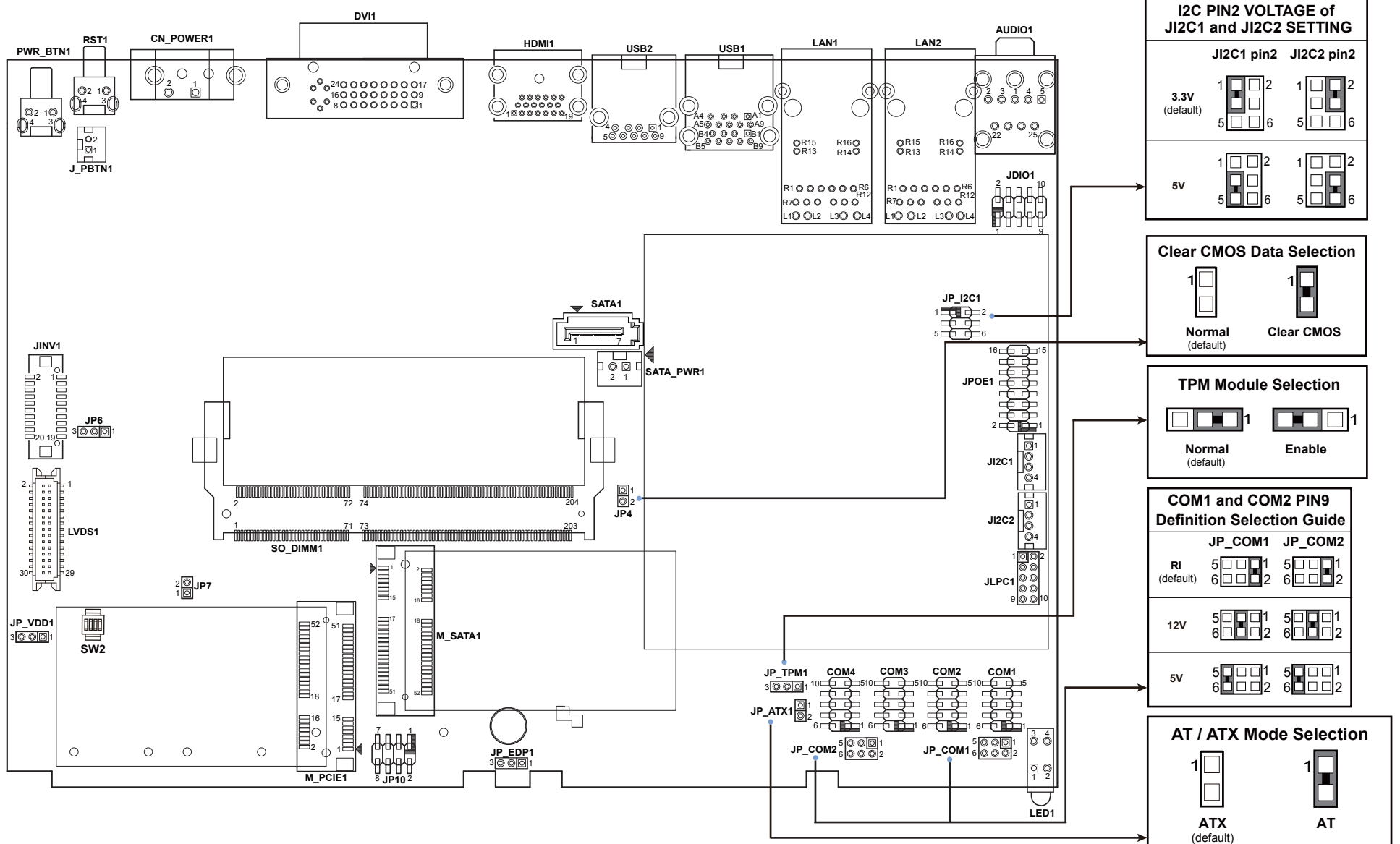
LCD	21.5" True Flat TFT LCD(LED) resolution FHD (16:9) 1920x1080
Touchscreen	Projected capacitive touchscreen (USB interface)

Environment

Operating Temp.	HDD: 0°C ~ 40°C(32°F~104°F)
(with airflow)	SSD: 0°C ~ 45°C (32°F~122°F)
Storage Temp.	-20°C ~ 80°C (-4°F ~ 176°F)
Humidity	20% ~ 90%

Jumper Setting

CAUTION! Danger of explosion may occur if the battery is replaced incorrectly. Replace batteries only with the same or equivalent type recommended by the manufacturer. Dispose the used batteries according to the manufacturer's instructions.

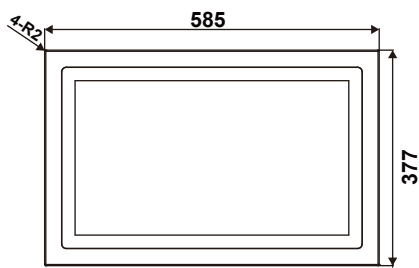


SP-S211 Overview

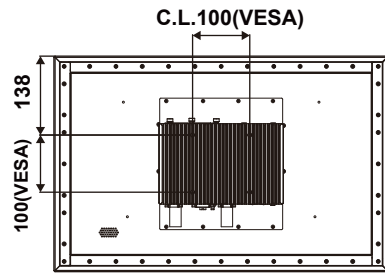
(Normal Type)

(Unit: mm)

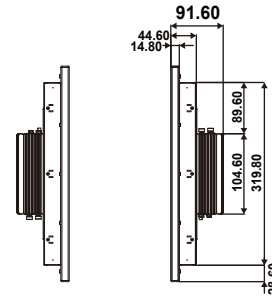
Front View



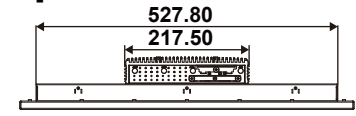
Rear View



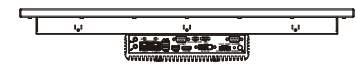
Side View



Top View



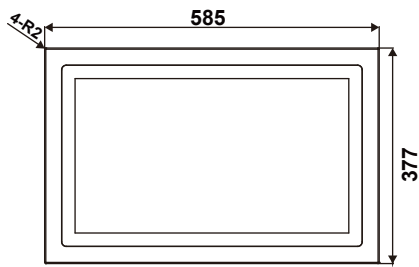
Bottom View



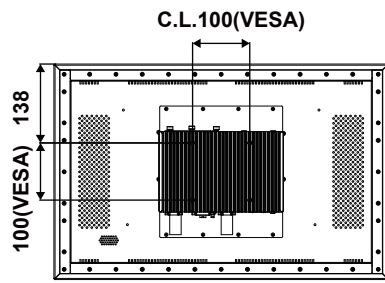
SP-S211 Overview

(Sunlight Readable Type)

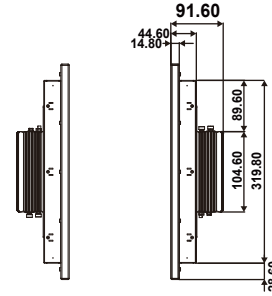
Front View



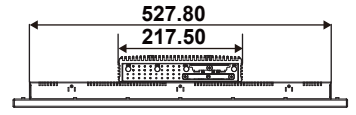
Rear View



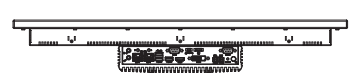
Side View



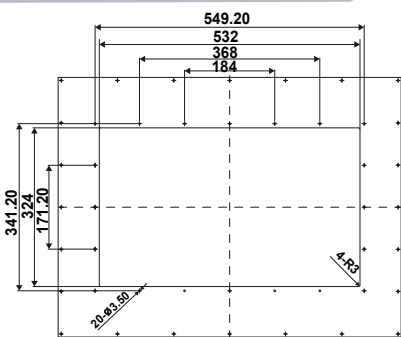
Top View



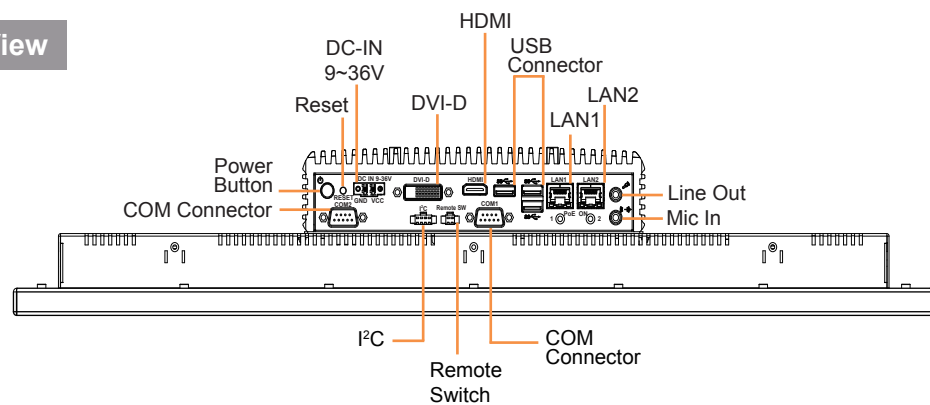
Bottom View



Wall Mount Cut-Out



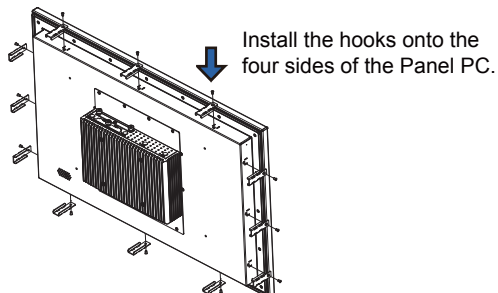
Rear I/O View



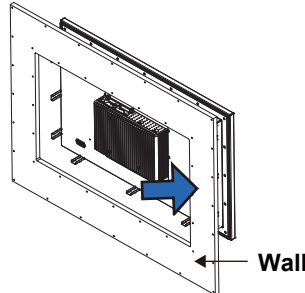
Quick Setup

Installing Hooks

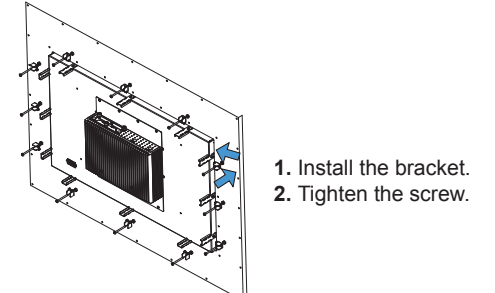
Step 1. Install 12 hooks into the mounting holes on the four sides of the system using 12 x screws (M3x5mm).



Step 2. Mount the system equipped with 12 hooks onto the wall firmly.



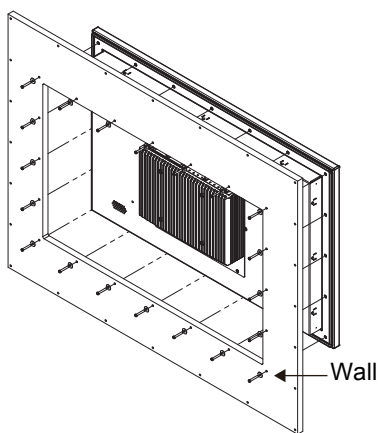
Step 3. Install 12 mounting brackets onto the hooks on the four sides of Panel PC and fasten the mating screws to secure firmly.



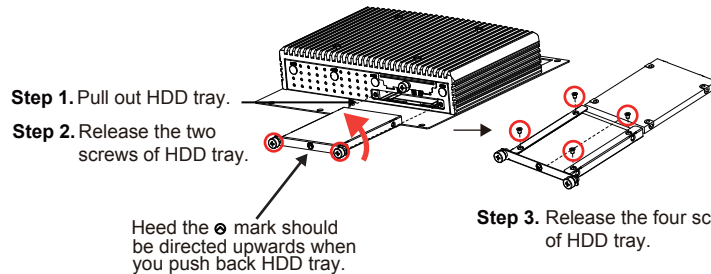
1. Install the bracket.
2. Tighten the screw.

Installing Panel Mount

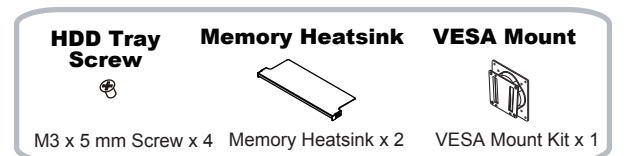
Tighten the screws into the 20 mounting holes of the wall fixture as shown, and then secure the panel PC onto the wall firmly.



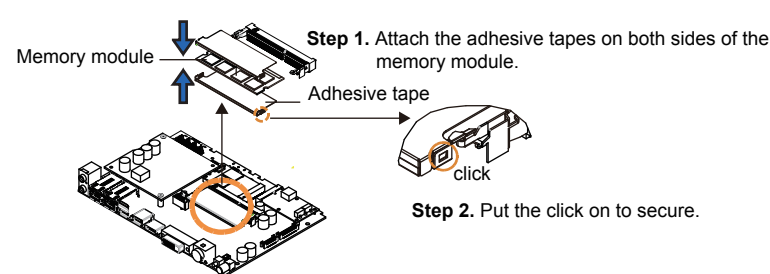
HDD Easy Maintenance



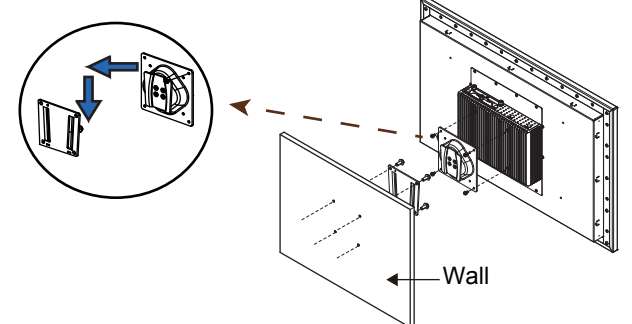
HDD & Memory & VESA Mount Accessories



Installing Memory Heatsink



Installing VESA Mount



Safety Precaution

The following messages are reminders for safety on how to protect your system from damages and extend the life cycle.

1. Check the Cable Voltage

- The range of operating voltage should be DC 9~36V. Otherwise, the system could be damaged.

2. Environmental Conditions

- Place your SP-S211 on a sturdy, level surface. Be sure to allow enough space to have easy access around the device.
- Avoid extremely hot or cold place to install SP-S211.
- Avoid exposure to sunlight for a long period of time or in an airtight space.
- Avoid the device from any heating device or using SP-S211 when it's been left outdoors in a cold winter day.
- Avoid moving SP-S211 rapidly from a hot place to a cold place and vice versa because condensation may come from inside of the device.
- Don't place SP-S211 close to any radio-active device in case of signal interference.

3. Handling

- Avoid putting heavy objects on top of the device.
- If water or other liquid spills into this product, unplug the power cord immediately.

4. Good Care

- When the outside of the case is stained, remove the stain with a neutral washing agent with a dry cloth.
- Never use strong agents such as benzene and thinner to clean the device.
- If heavy stains are present, moisten a cloth with diluted neutral washing agent or with alcohol and then wipe thoroughly with a dry cloth.
- If dust has been accumulated on the outside, remove it by using a special vacuum cleaner for computers.

CAUTION! Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions.

WARNING! Some internal parts of the system may have high electrical voltage. And therefore we strongly recommend that qualified engineers can open and disassemble the device. Please handle LCD and Touchscreen with extra care as they are easily breakable.