

Disassembly Assessment Report



Model Name : PN-ME862

Performance Date: 2024.11.05

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1. Safety Instructions

Please read the safety information carefully before installing, maintaining, or disassembling this product.

1.1 Notice

The current of power supply, telephone and communication cable is dangerous and the on/off button, power switch on the device do not cut off the current completely. To avoid the danger of electric shock:

- Be aware that the device may have several power supply cables at the same time. To cut off the power, make sure all power supply cables are disconnected.
- Do not connect or disconnect any cables, install, maintain, or reset the product during thunderstorm.
- Connect all power cables to the right and use the well grounding power supply socket.
- Connect all devices to the proper connector.
- Connect or disconnect cables with one hand is recommended.
- Do not turn on any device when there is a fire, flood, or collapse of a house.
- Please disconnect the power cable, remote communication system, network, modem, and other devices before opening the screen, unless otherwise specified in the installation and configuration process.
- When the product is installed, moved or opened, the step of cable connection or disconnection is provided as below.

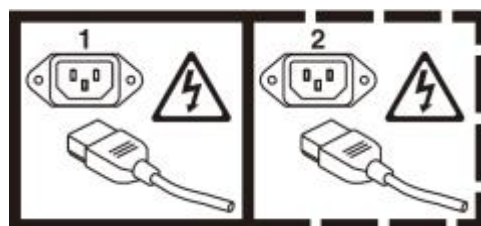
To connect cables : 1. Turn off all devices. 2. Connect power cords to devices.	To disconnect cables : 1. Turn off all devices. 2. Unplug power cords from the socket.
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3. Connect signal/ communication cables to devices. 4. Connect the power cord to power supply socket. 5. Turn on devices.	3. Disconnect signal /communication cables from connector. 4. Disconnect the power cords from devices
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1.2 Battery maintenance

- ① When replacing the system battery, please use the same kind of battery.
- ② Battery containing lithium, improper operation or handling will cause explode. Please DO NOT :
 - Put the battery into water
 - Heat the battery to more than 100 degrees C (212 degrees F)
 - Repair or disassemble the battery without authorization
- ③ Please deal with the battery according to the requirements of local laws and regulations.

Do not remove any cover of power modules and the parts which danger label is on.



2. Product Basic Specifications

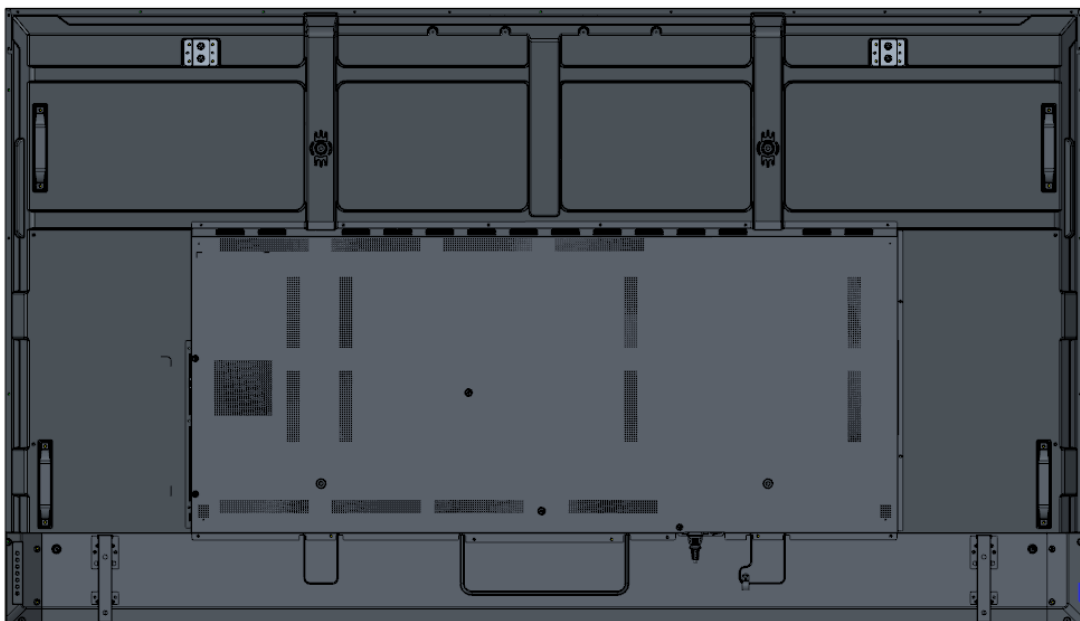
2.1 Product Appearance

(Exterior view: same series may be shared if differences are not significant)

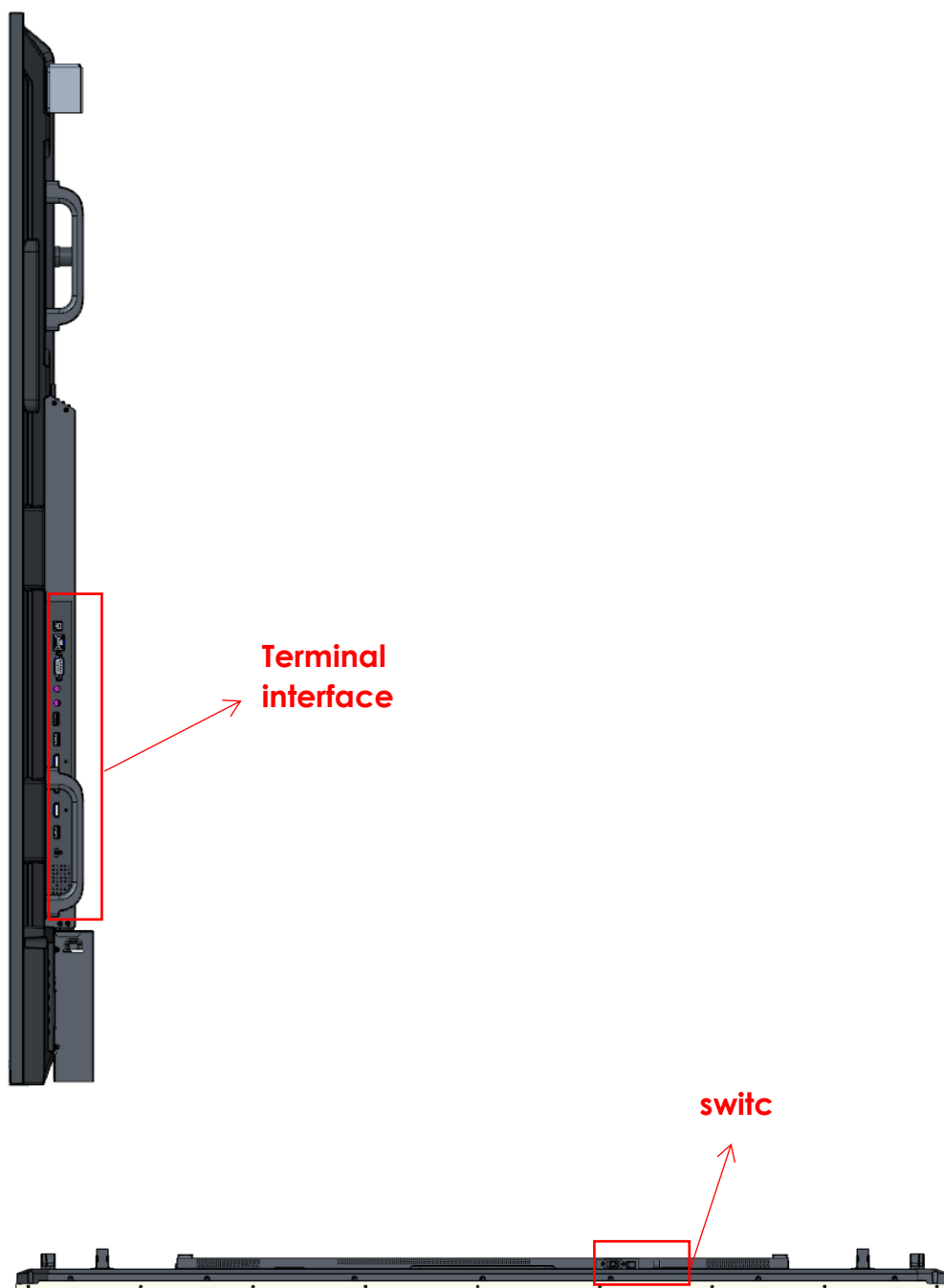
➤ Front view

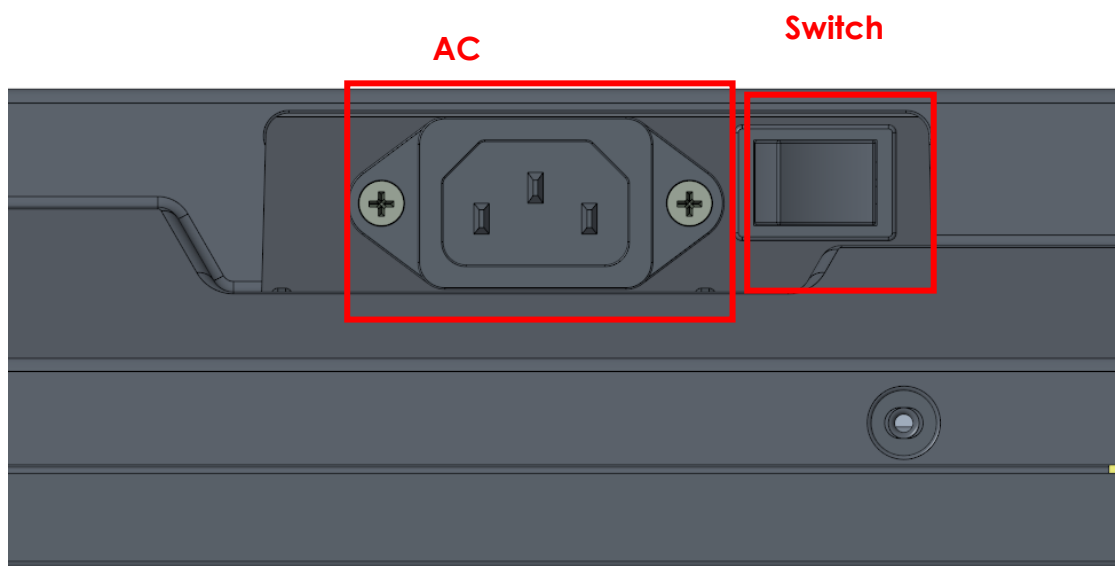


➤ Back view

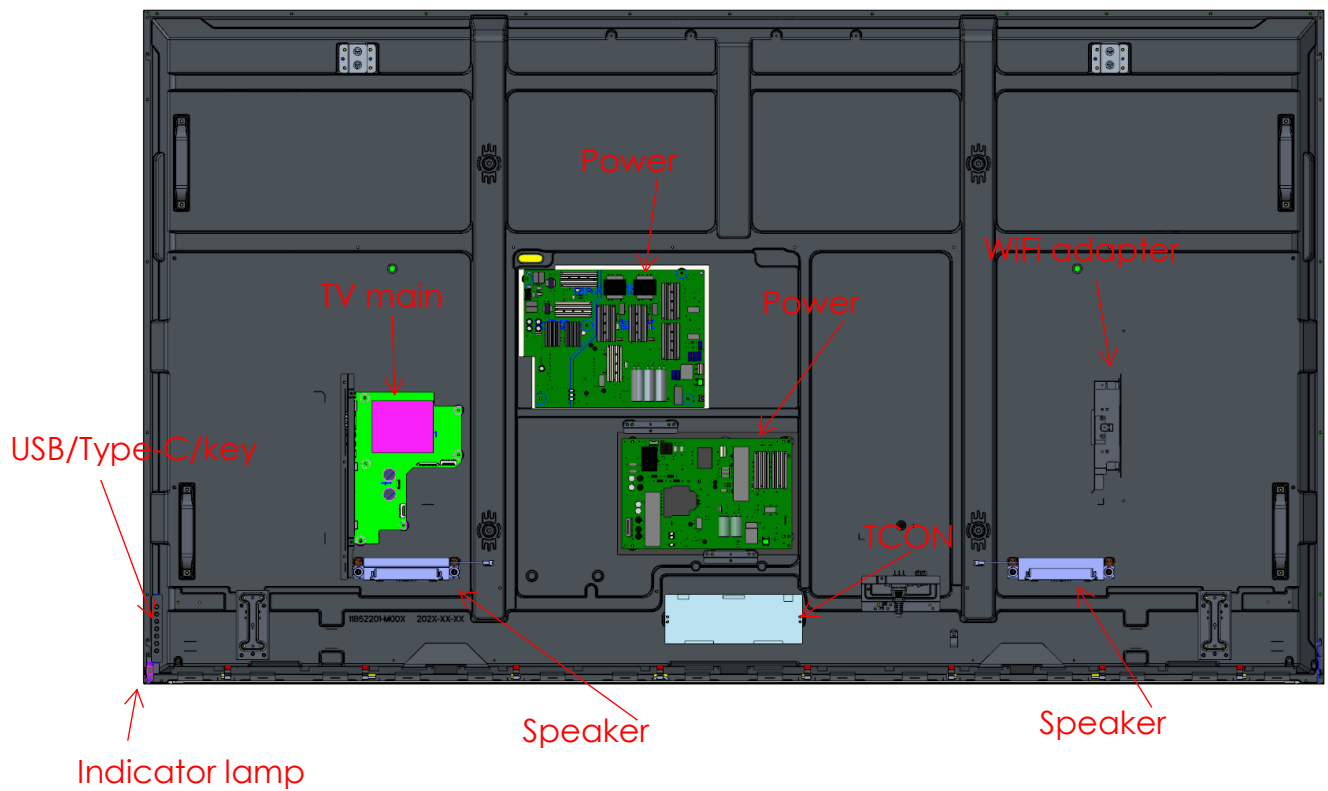


➤ Side view

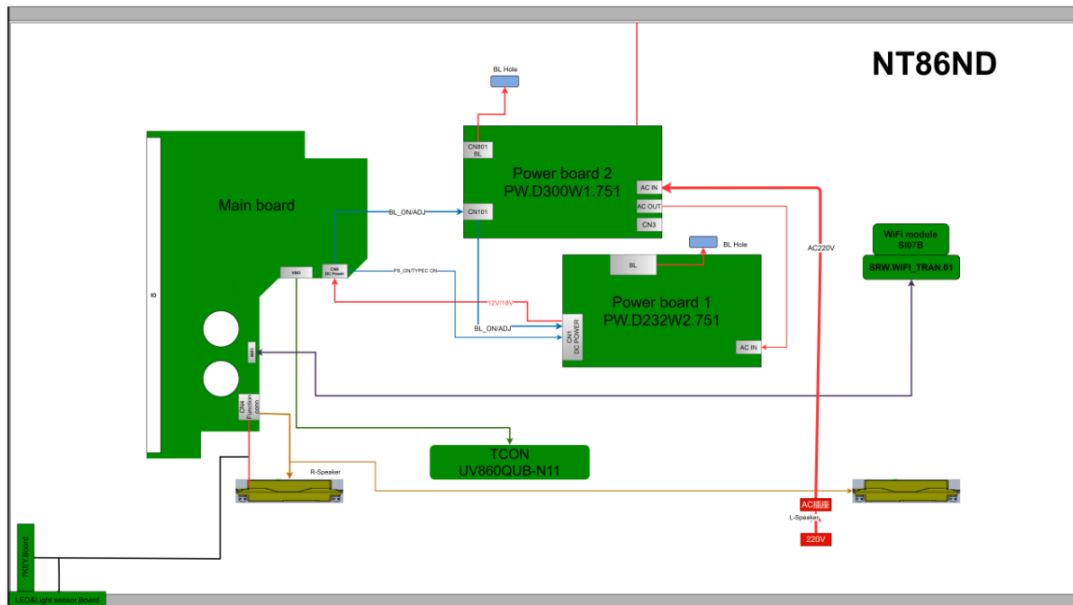




➤ Back view of the screen

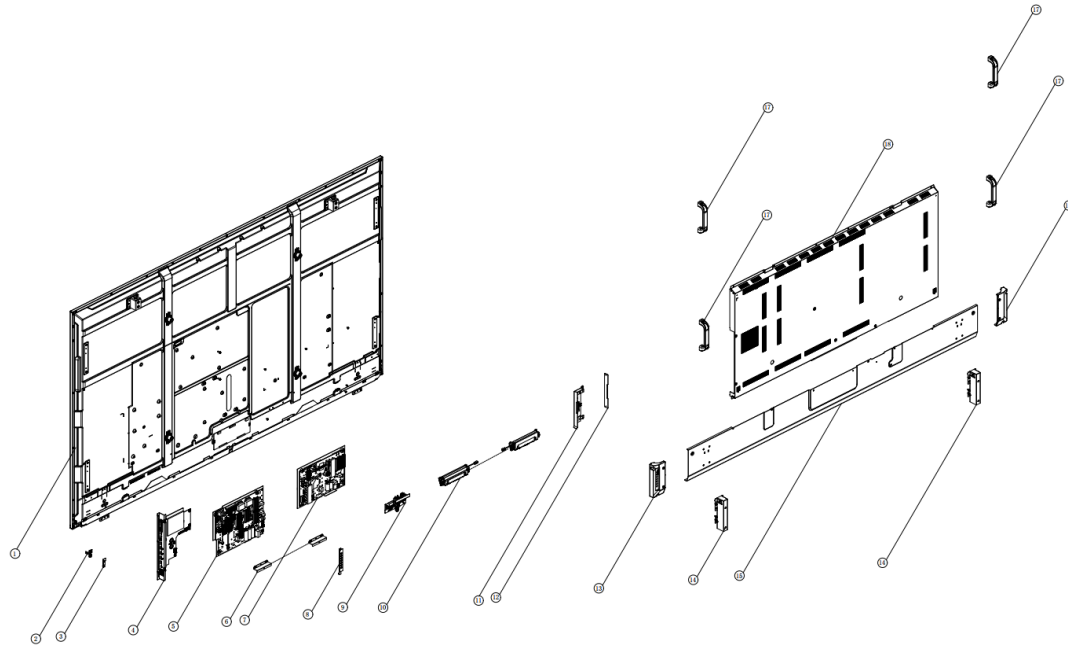


2.2 Electrical Diagram



3. Disassembly Guide

1 Exploded views

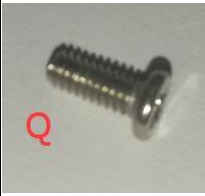


NO.	NAME	QTY	NO.	NAME	QTY	NO.	NAME	QTY
1	Backlight module	1	7	Small power board	1	13	Left small back cover	1
2	Light guide column	1	8	Button panel assembly	1	14	Base connection bracket	2
3	Indicator light sensor board	1	9	AC socket switch assembly	1	15	Middle shell	1
4	Motherboard components	1	10	Speaker assembly	2	16	Right Back Cover	1
5	Power Board	1	11	WIFI COMPONENTS	1	17	Handle	4
6	Fire damper	1	12	WIFI cover	1	18	Big Back Cover	1

3.2 Screw fastening torque reference table

Torque Requirement (except the hand screws and nuts)			
Screw Specification (mm)		Tightening Torque	
		N.M	(kgf.cm)
M3x4~M3x8		0.5-0.7	5-7
M4x8~M4x12		0.7-1.0	7-10
M5		1.2-1.5	12-15
Tool to Use			
ITEM	Screw Image	NAME	Specification
A		Phillips Countersunk Head Screw	KM3×8mmBlack Nickel plated
B		Phillips Countersunk Head Screw	CM4×6mmBlack Nickel plated
C		Phillips self-tapping screw	PB3×6mm silver
D		Phillips T head screw	TM3×6mm-Nickel plate

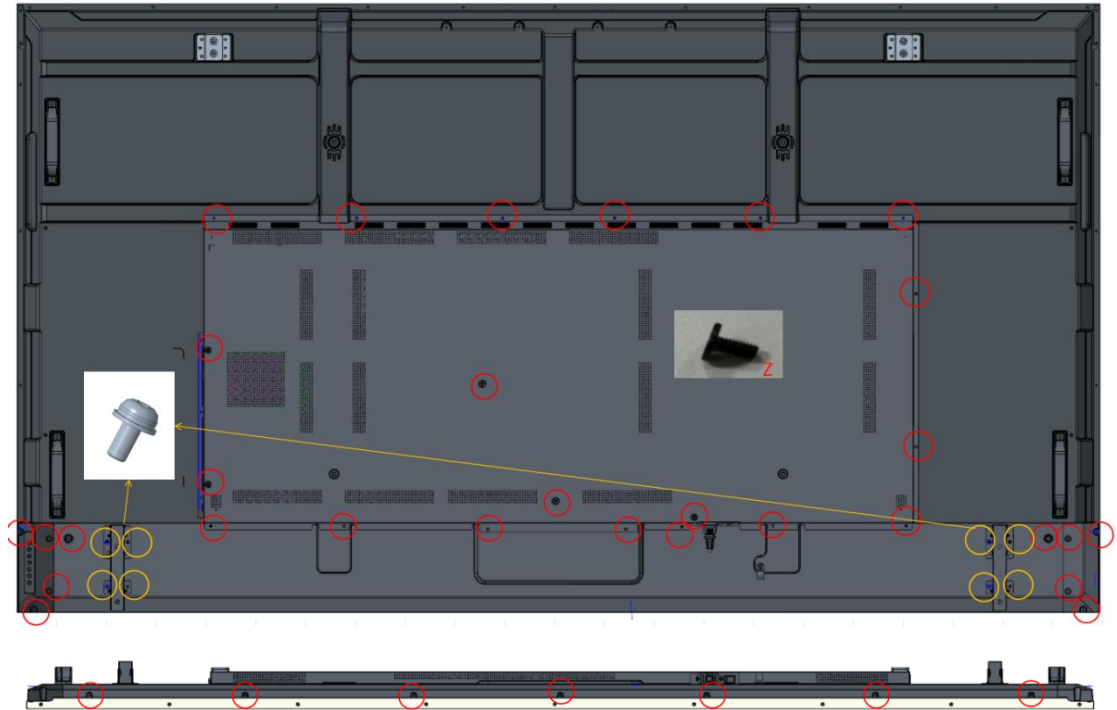
E		Phillips T head screw	TM3×6mm-Black Nickel plated
F		Phillips T head screw	TM3×4mm-Silver Nickel plated
G		Phillips T head screw	TM3×4mm-Black Nickel plated
H		Phillips T head screw	TM4×8mm-Black Nickel plated
I		十字槽 P 头螺丝	PM4x8mm-Externally toothed meson - nickel plated
J		Cross recessed P head screw	PM4×14mm-Out-of-band meson - black nickel plated
K		Cross recessed P head screw	PM5×6mm-black oxidizer
L		Cross recessed P head screws and washers	PWM4.0×6mm-nickel plated
M		Phillips Flat Head Screws	CM3×6mm-nickel plated

N		Phillips Flat Head Screws	CM4×20mm-black nickel plated
O		Cross Recessed Countersunk Head Self- Tapping Screws	KA3×10mm-black nickel plated
P		Phillips self-tapping screw	TB4×10mm-black nickel plated
Q		Phillips C head screw	CM2×5mm-nickel plated
R		Phillips flat head screw (non-standard)	CM3×4mm-nickel plated (non-standard)
S		Thumb screws (non- standard)	M3×11mm(L=28)-black nickel plated
T		Thumb screws (non- standard)	M3×7.5mm(L=21.5)- black nickel plated
U		Hex nuts	M3×5.3mm-nickel plated
V		Cross recessed P head screw	PM5×20mm-black nickel plated

W		Phillips T head screw	TM3×8mm-black nickel plated
Y		Phillips Flat Head Screws	KM2×5mm-Silver nickel plated
Z		Phillips Flat Head Screws	CM3×6mm-black galvanized
A1		Thumb screws (non-standard)	Customize-M3×4×7-14.5mm,black galvanized
A2		Phillips C head screw	CM4×6mm,black galvanized
A3		Phillips T head screw	TM3×5mm-black nickel plated
A4		screw	PM4.0×14.0mm,-black galvanized
A5		Phillips C head screw	CM3×5mm--silver
A6		Cross recessed P head screw	PB3×6mm--black galvanized

3.3 Shell Disassembly

① Screw position



② Maintenances Description



Before removing the entire rear case, it is recommended that the machine screen face down flat on the platform, and then unscrew the wall-mounted bar with a screwdriver. The above diagram shows the location of the screws of the entire rear case, different colors represent different types of screws, after unscrewing these screws, you can remove the entire rear case.

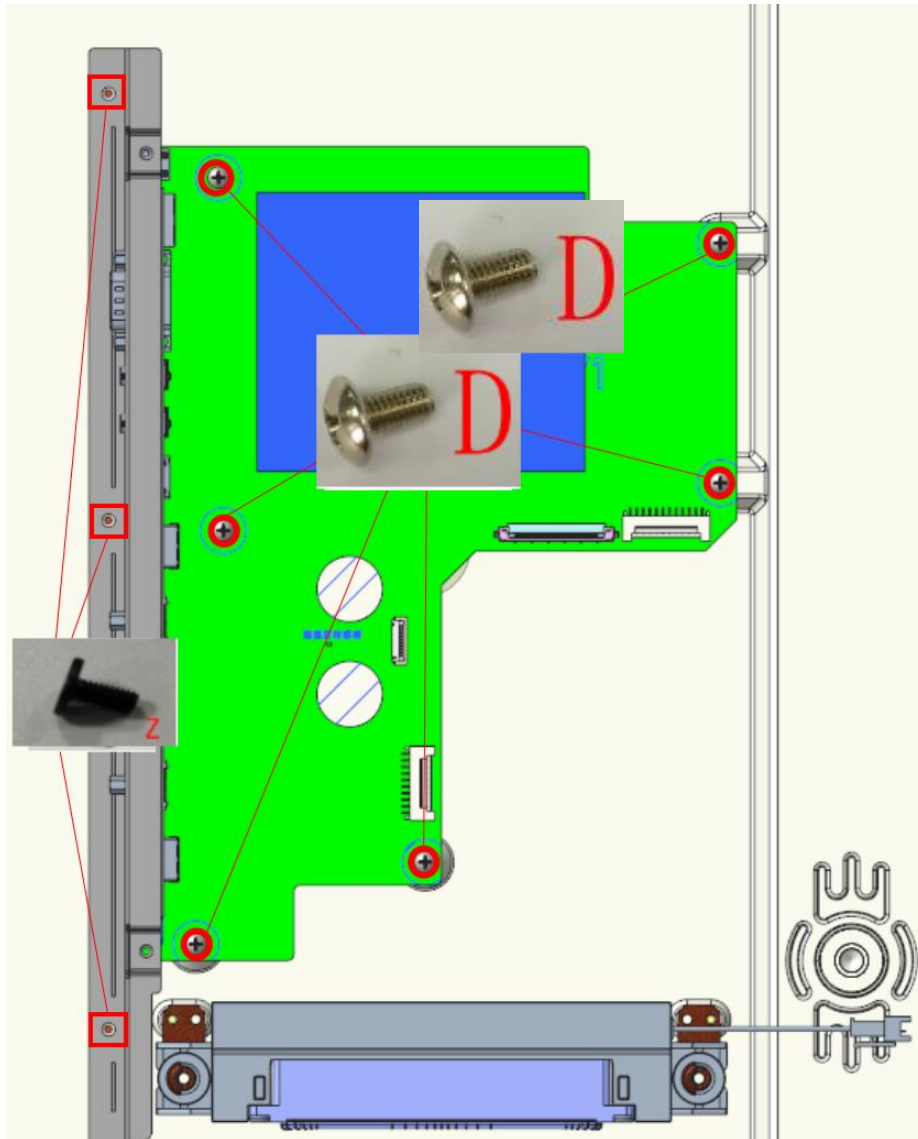


Please note that the tightening torque used must be in accordance with the reference values for the particular type of screw. otherwise the screws may be permanently damaged.

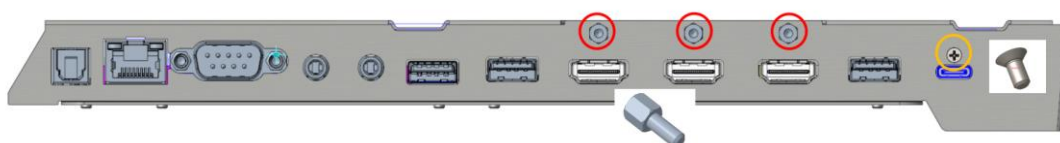
3.4 Circuit Board Removal

① Screw position

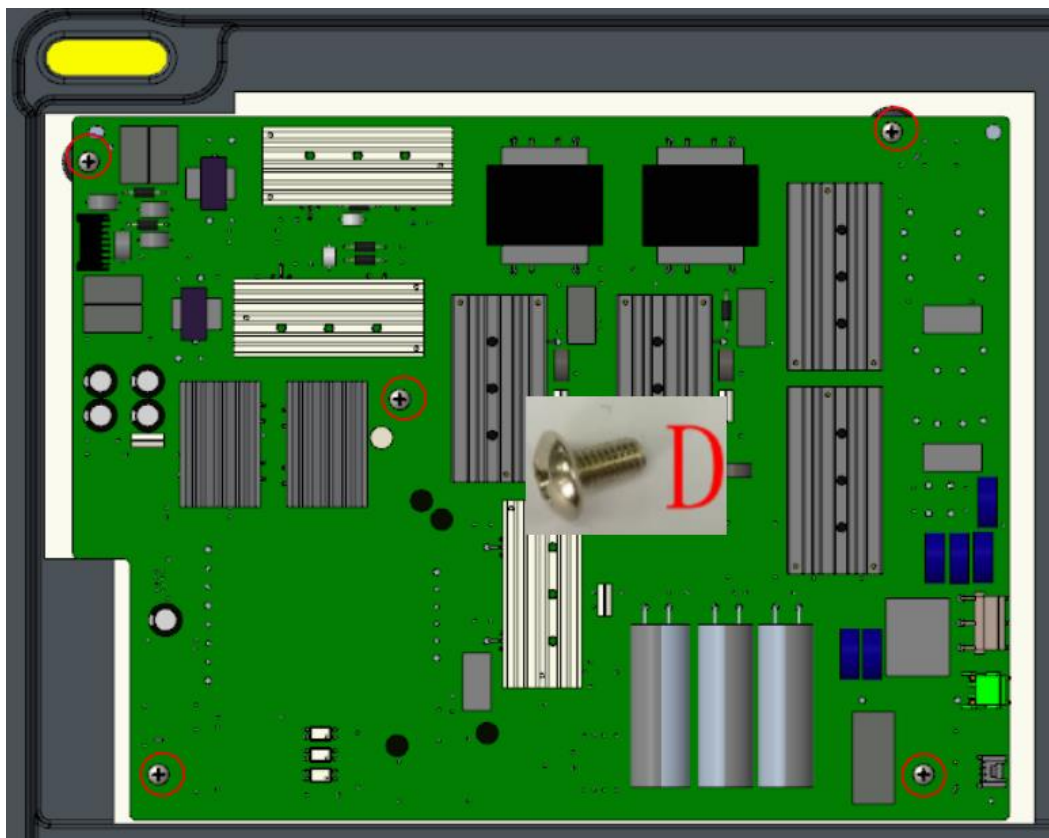
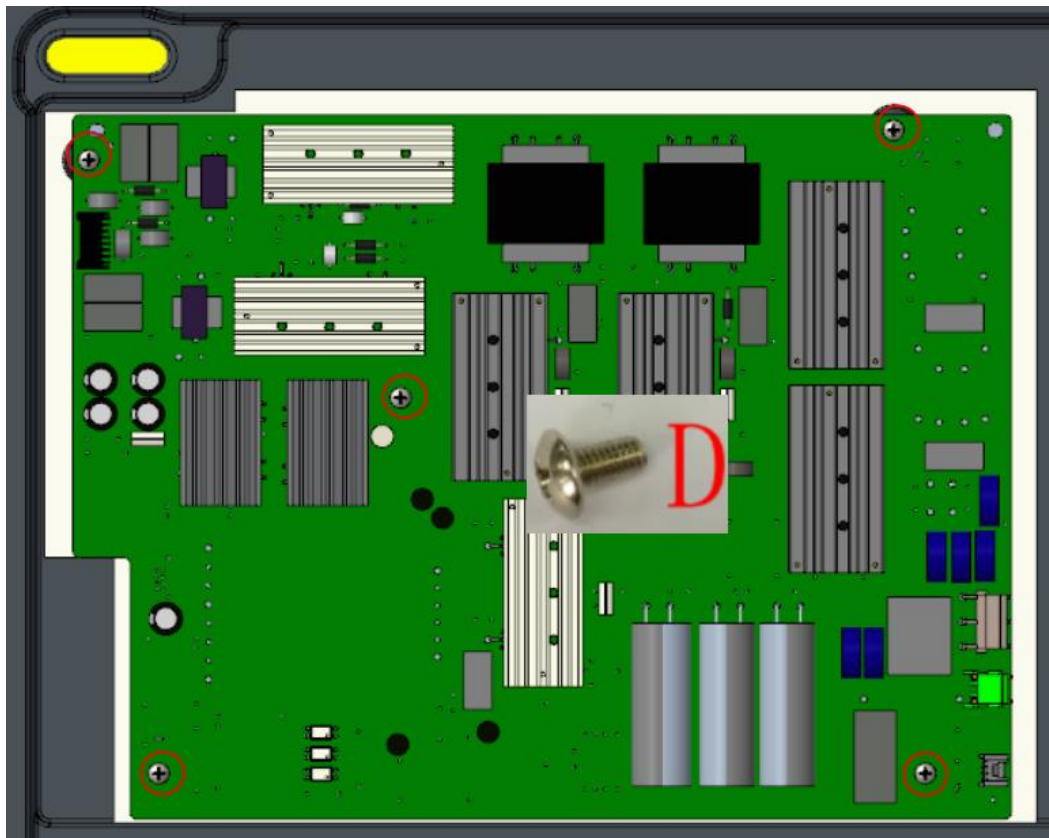
- ◆ Main board: Remove 2 kinds of screws at the same time



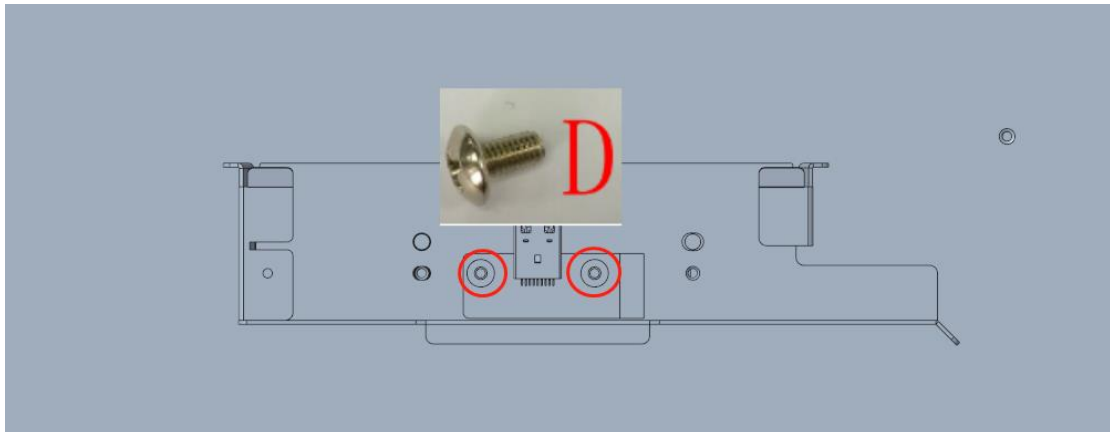
Removal of mainboard components: Hexagonal studs and KM2×4 screws need to be removed



◆ power board

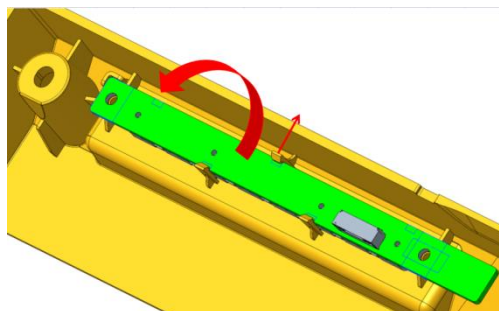
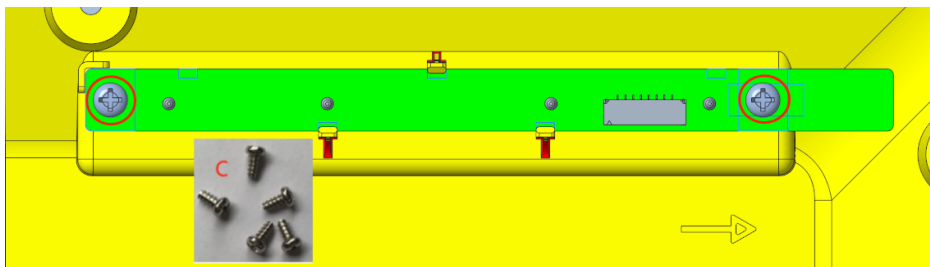


◆ WIFI Adapter board

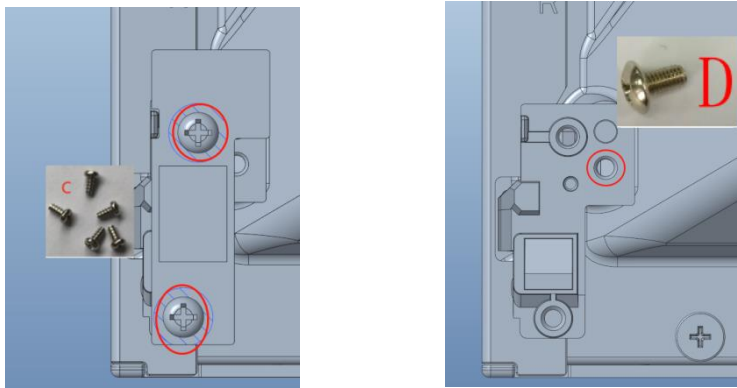


◆ USB key board

Remove the screws, push the arrow buckle lightly, and then take out the board in the direction of the arrow in the figure

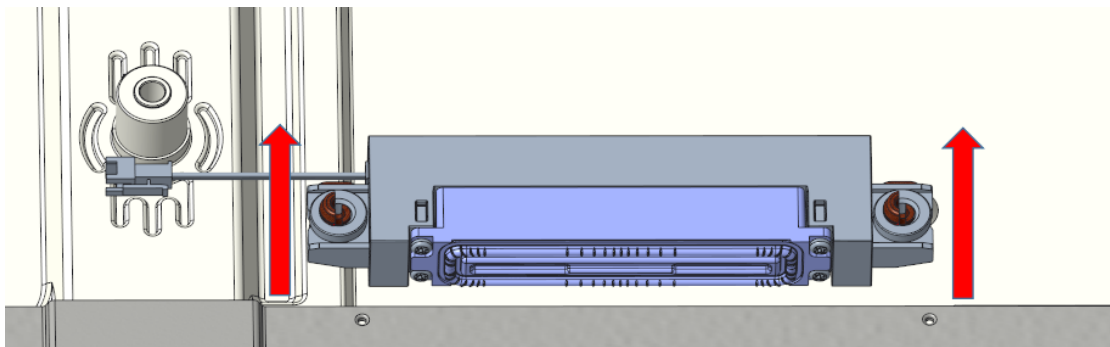


◆ light sensor board



◆ Speaker board

Pull out the speaker in the direction of the arrow



② Maintenance Description

■ To replace the circuit boards you need to remove first the rear covers and wires.

■ To replace the TV main board, you need to remove the lower terminal block, the side terminal block.

■ Cut off the power before performing replacement, so as to prevent any short circuit resulting from contact of wires.



Please note whether the ports of the cables are properly connected in order to prevent the component from being burnt due to inserting in the wrong ports.

3D map of the Machine

