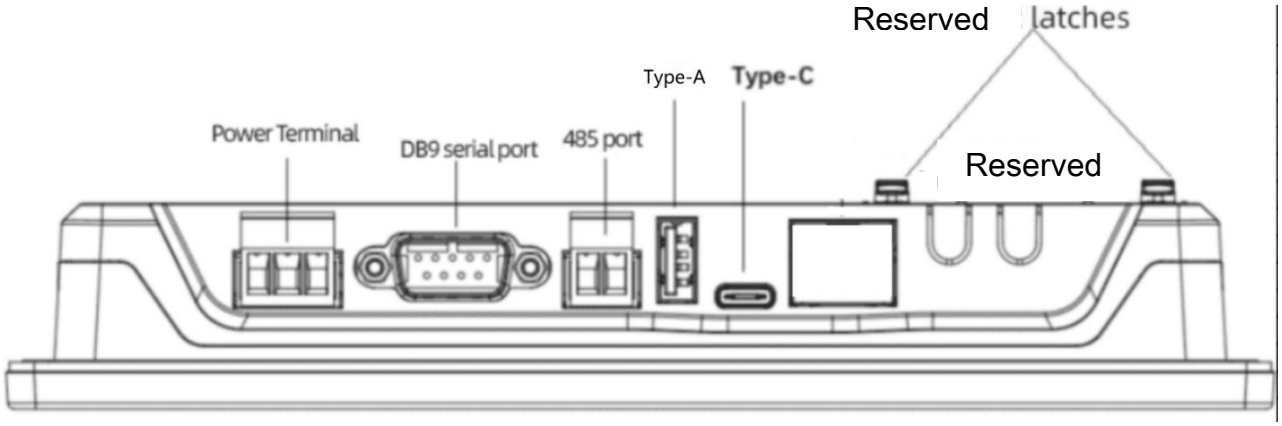
Warning

- To prevent electrical shock or equipment damage, unplug the HS6400W unit's power cord from the power supply prior to installing or wiring the HS6400W.
- After completing any HS6400W wiring work, be sure the terminal block's protective plastic cover is reattached. If this cover is not reattached, an electrical shock could easily occur.
- To prevent an electric shock be sure to disconnect your HS6400W unit's power cord from the power supply before wiring the HS6400W.
- Do not use voltage beyond the HS6400W unit's specified range. Doing so may cause a fire or an electric shock.
- The cables connected to the HS6400W should be secured by cable clamps to prevent weight or tension of the cables added to the connectors or terminals.
- The HS6400W unit's wiring should be checked to confirm that both the operating voltage and wiring terminal locations are correct. If either the voltage or the wiring terminal location is incorrect, it can cause a fire or accident.
- Do not connect or disconnect Host and HS6400W unit communication cables while the HS6400W is turned ON.
- Do not replace the HS6400W unit's battery yourself. The HS6400W uses a lithium battery for backing up its internal clock data and the battery may explode if it is replaced incorrectly. When replacement is required, please contact your local HS6400W distributor.
- To prevent a HS6400W unit malfunction due to excessive noise, isolate all HS6400W input/output signal lines from all power wiring or power cables via a separate wiring duct.
- Be sure all cable connectors are securely attached to the HS6400W unit. A loose connection may cause incorrect input or output signals.
- Be sure to ground the HS6400W unit's FG wire separately from other equipment FG lines. Also, be sure to use a grounding resistance of 100. or less and a $2mm^2$ or thicker wire, or your country's applicable standard. Otherwise, electric shock or malfunctions may result.
- Be sure to use only the designated torque to tighten the HS6400W unit's terminal block screws. If these screws are not tightened firmly, it may cause a short-circuit, fire or incorrect unit operation.
- Be sure that metal particles and wiring debris do not fall inside the HS6400W unit. They can cause a fire, malfunction or incorrect unit operation.
- Be sure to read the HS6400W unit's manual carefully before performing program changes, entering forced output, or using the RUN, STOP, or PAUSE commands while the HS6400W is operating. Mistakes made when using these items can cause machine accidents or damage.

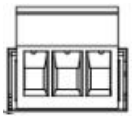
1. Specifications

Category	Item	Description
Hardware	Display	10.1” 16:9 TFT LCD
	Resolution	1024×600
	Colors	24-bit
	Brightness	400 cd/m²
	Backlight	LED
	LCD Lifetime	50000 hours
	Touch Panel	4-wire industrial resistive touch panel
	CPU	Cortex-A7(main frequency is 1GHz,dual-core)
	Storage	256MB DDR3+4GB eMMC
	RTC	Built-in
	Ethernet	NA
	SD Card	NA
	Bluetooth	NA
	USB Port	1*USB Type-C 2.0 port;1*USB Type-A 2.0 port
	Program Download Method	USB Slave/U disk
	Serial Port	COM1:RS232/RS485/RS422 COM2: RS485 COM3:RS232
	LCD Viewing Angles (T/B/L/R)	85°/85°/85°/85°
Electrical feature	Rated Power	<10W
	Rated Voltage	DC24V,operational range:DC 9V~28V
	Power Protection	Lightning surge protection
	Power Interruption Tolerance	<5ms
	CE&RoHS	EN61000-6-2:2019 and EN61000-6-4:2019 standards certified;RoHS certified;lightning surge±1kV; group pulse±2kV;electrostatic contact 4kV,air discharge 8kV
Environmental requirement	Operating Temperature	0~50℃
	Storage Temperature	-20~60℃
	UV Resistance	Operating in high UV environment is prohibited(e.g.,in direct sunlight)
	Environmental Humidity	10%~90%RH(non-condensing)
	Vibration Endurance	10~25Hz(X/Y/Z direction,2G/30 minutes)
	Cooling Method	Natural air cooling
Mechanical feature	Protection Level	Front:IP65(with flush panel cabinet installation),Rear:IP20
	Enclosure Material	Engineering plastic
	Cutout Dimensions	260mm×202mm
	Dimensions	273mm×213mm×36mm
	Weight	About 890g

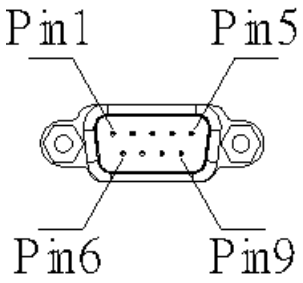
2. Wiring Definition



➢ Power Terminal

Power Terminal (Pin 1~3 from left to right)	**Pin**	**Description**
	Pin1	FG
	Pin2	0V
	Pin3	DC 24V

➢ DB9 Serial Port

	Pin	**COM1 (RS485)**	**COM1 (RS422)**	**COM1 (RS232)**	**COM3 (RS232)**
	Pin1	B-	Rx-		
	Pin2			RxD	
	Pin3			TxD	
	Pin4		Tx-		
	Pin5			GND	GND
	Pin6	A+	Rx+		
	Pin7				RxD
	Pin8				TxD
	Pin9		Tx+		

➢ RS485 Serial Port

RS485 Terminals (Pin 1~2 from left to right)	Pin	Description
	Pin1	A+ (COM2 RS485)
	Pin2	B- (COM2 RS485)

➢ USB Type-C 2.0 Port

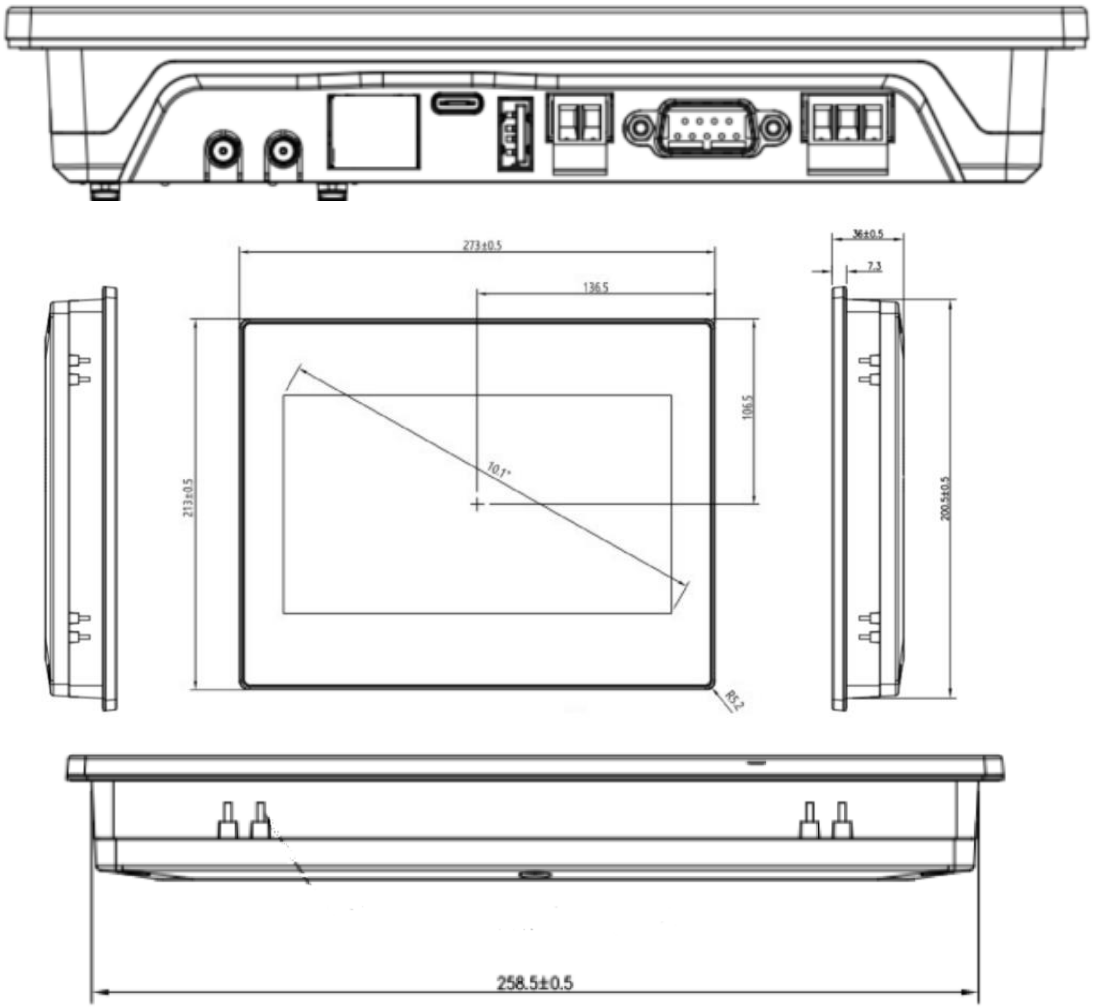
USB Slave port, Used for program download.

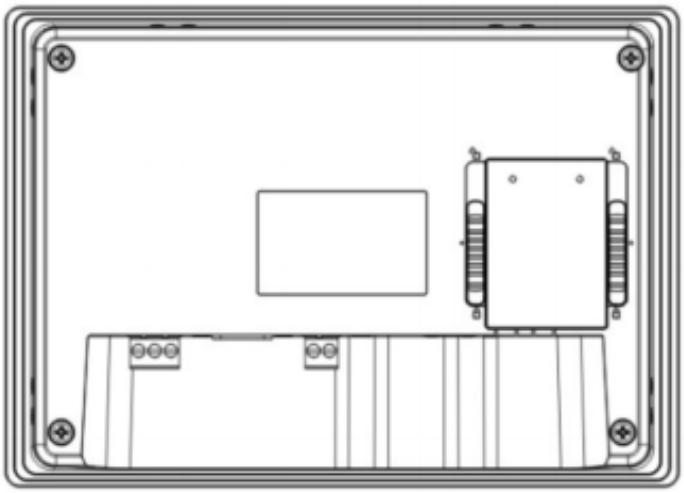
➢ USB Type-A 2.0 Port

USB Host port, Used for connecting peripheral devices,such as Flash drive or bar code scanner.

3. Dimension

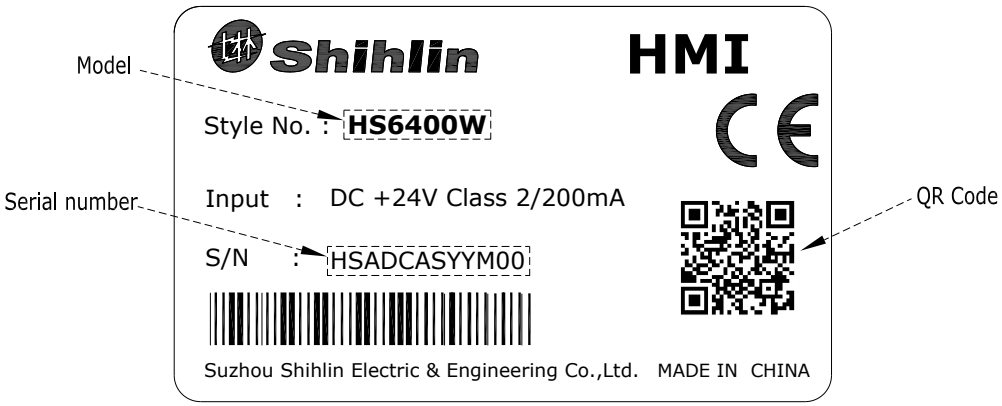
Unit: mm





Flush-mounted installation cutout dimensions:260mm*202mm(+1.5mm/-0.0mm)

4. Nameplate instruction



➢ Type instruction

HS64 (1) 00 (2) W (3)

No.	Description
1	Product series
2	10 inches
3	White

5. Others

➤To improve our products, the parameters and contents may be modified, please contact the agent or refer to Shihlin websites (http://automation.seec.com.tw/) to download the latest version.

V1.00 April 2025