

Industrial HMI 6000 Series, a new generation of IoT human-machine interface. It is high-quality and cost-effective touch screen, aluminum alloy shell, low cost, high reliability. The main board is treated with a special coating (three anti-paint) to adapt to harsh environments. The new model opens with a more practical down-line approach, and the redesigned front face has a better looking look, and higher resolution model is available.

By selecting the FLink IoT module, you can upgrade the IoT human-machine interface immediately and uses complete and convenient industrial IoT cloud platform service.

1.1 Product Appearance



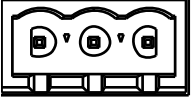
2 Specifications

Category	Item	Description
Hardware	Display	15.6" 16:9 TFT LCD
	Resolution	1920×1080
	Colors	65K
	Brightness	250 cd/m ²
	Backlight	LED
	LCD Lifetime	50000 hours
	Touch Panel	4-wire industrial resistive touchscreen
	CPU	1GARMCortex-A8
	Storage	256MBFLASH+512MBDDR3
	RTC	Built-in
	Ethernet	1* 10M/100M self-adaptive RJ45 port
	USB Port	1*USB Type-C 2.0 port; 1* USB Type-A 2.0 port
	SD card	Micro SD (TF) card
	Bluetooth	NA
	Program Download Method	USB Slave/Flash drive/Ethernet
	Serial Port	COM1/ COM3: RS232/RS485/RS422; COM2: RS485/RS422
	LCD Viewing Angles (T/B/L/R)	85° /85° /85° /85°
Electrical feature	Rated Power	<18W
	Rated Voltage	DC24V,operational range:DC 18V~28V
	Power Protection	Lightning surge protection
	Power Interruption Tolerance	<5ms
	CE&RoHS	EN61000-6-2:2005 and EN61000-6-4:2007 standards certified;RoHS certified;lightning surge±1kV;

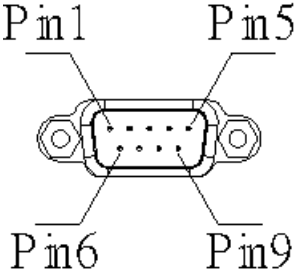
Category	Item	Description
		group pulse±2kV;electrostatic contact 4kV,air discharge 8kV
Environmental requirement	Operating Temperature	0~50℃
	Storage Temperature	-20~60℃
	UV Resistance	Operating in high UV environment is prohibited(e.g.,in direct sunlight)
	Environmental Humidity	10%~90%RH(non-condensing)
	Vibration Endurance	10~25Hz(X/Y/Z direction,2G/30 minutes)
	Cooling Method	Natural air cooling
Mechanical feature	Installation	Embedded Installation/VESA Installation
	Protection Level	Front:IP65(with flush panel cabinet installation),Rear:IP20
	Enclosure Material	Aluminum alloy housing
	Cutout Dimensions	380mm×245mm
	Dimensions	394mm×256mm×36mm
	Weight	About 2250g

3 Wiring Definition

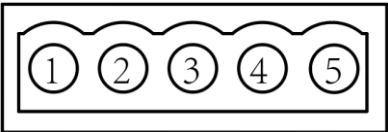
3.1 Power Terminal

Power Terminal(Pin 1~3 from left to right)	Pin	Description
	Pin1	DC24V
	Pin2	GND
	Pin3	FG

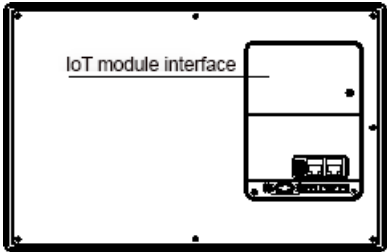
3.2 DB9 Serial Port

	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+		

3.3 COM2

COM2(Pin1~5 from left to Right)	Pin	Description
	Pin1	Rx+(A)
	Pin2	Rx-(B)
	Pin3	GND
	Pin4	Tx+
	Pin5	Tx-

3.4 FLink Expansion Module

	Module supported
	FLink FLink-2G-A FLink-4G-C FLink-4G-A FLink-WiFi-A

3.5 USB Type-A 2.0 Port

Host port:Used for flash drive or bar code scanner.



3.6 USB Type-C 2.0 Port

Slave port:Used for program download and debugging.

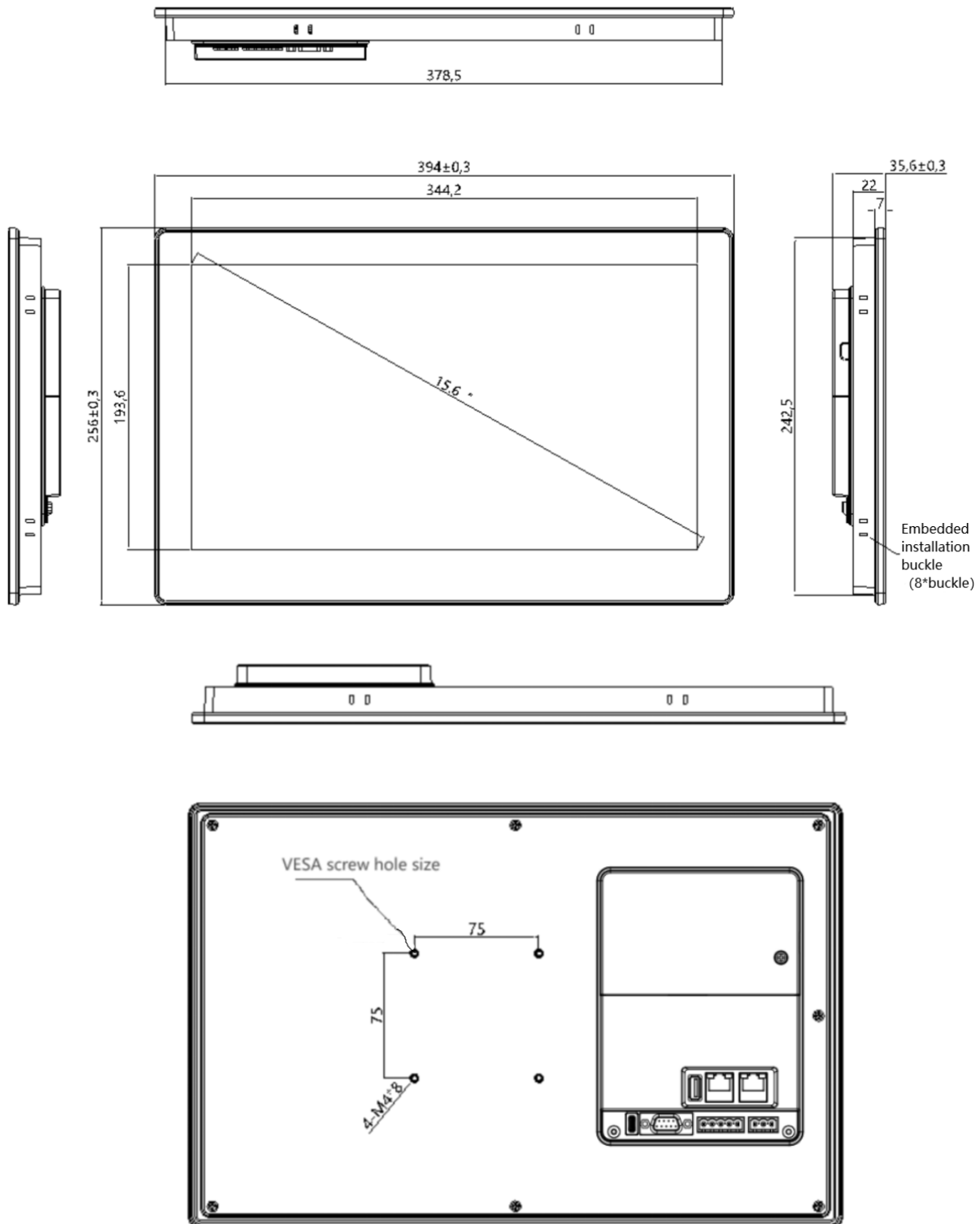


3.7 Ethernet Port

RJ45 port for Ethernet communication with the controller or server.



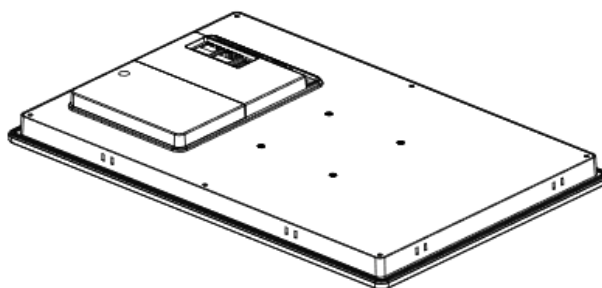
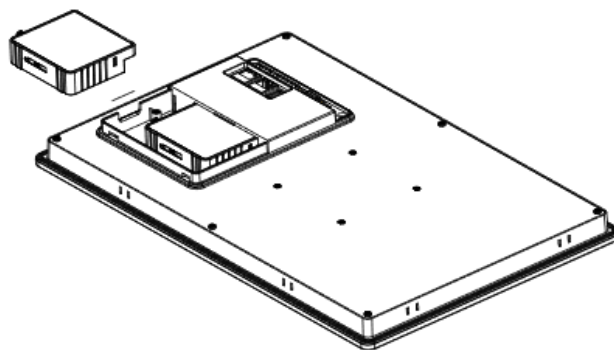
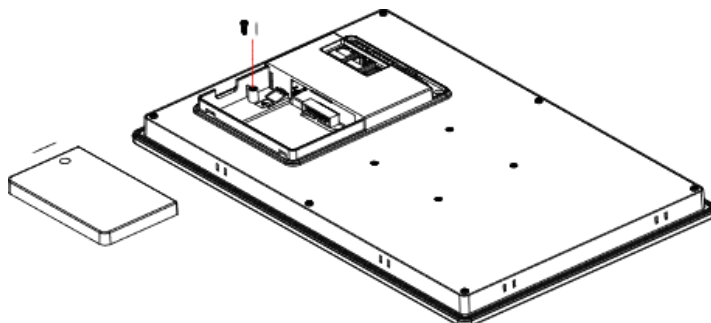
4 Dimension



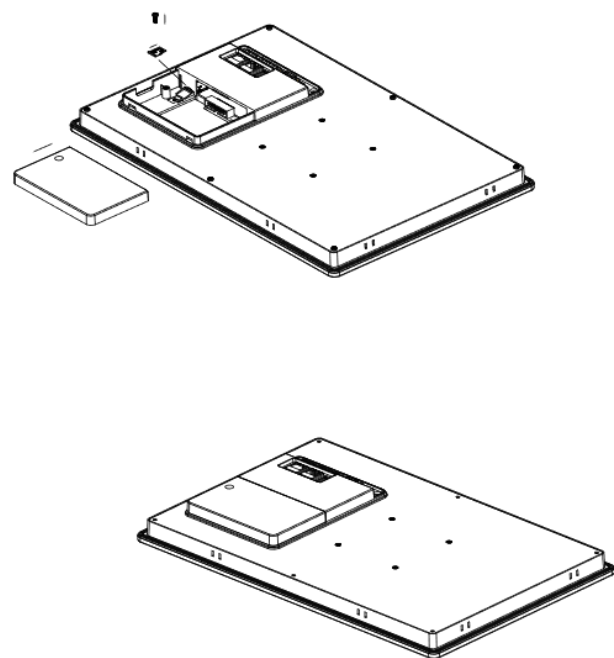
Flush-mounted installation cutout dimensions:380mm*245mm

5 Installation schematic diagram

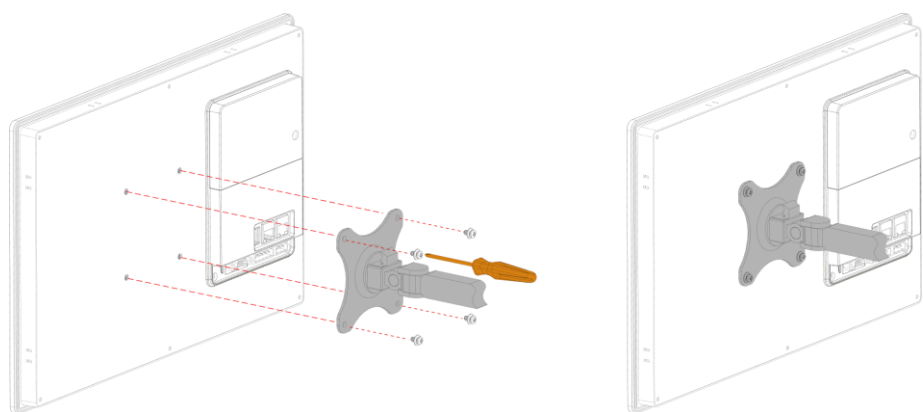
5.1 FLink Installation Diagram



5.2 TF Card Installation Diagram



5.3 VESA Installation Diagram



Screw PM4*8 (without hanger)