

## FLEXEM——IIoT HMI FE6000 Series

### Module: FE6156H

#### Overview

Flexem Industrial HMI 6000 Series, a new generation of IIoT human-machine interface. It is high-quality and cost-effective touch screen, aluminum plastic shell, low cost, high reliability. The mainboard 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 IIoT module, you can upgrade the IIoT human-machine interface immediately and uses complete and convenient industrial IIoT cloud platform service.

#### Appearance

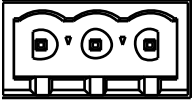
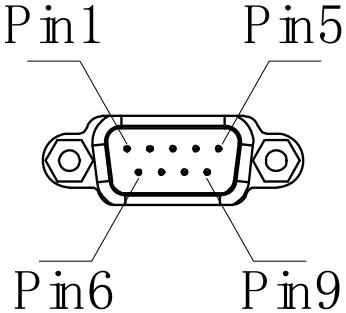
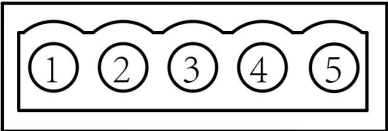
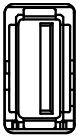

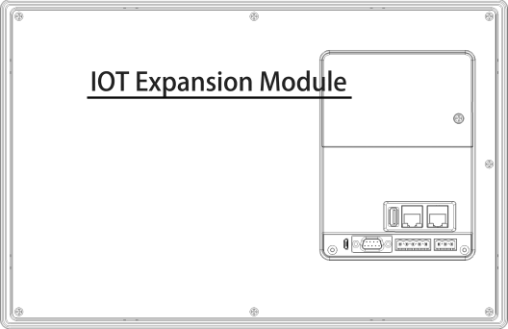


**Product Specification**

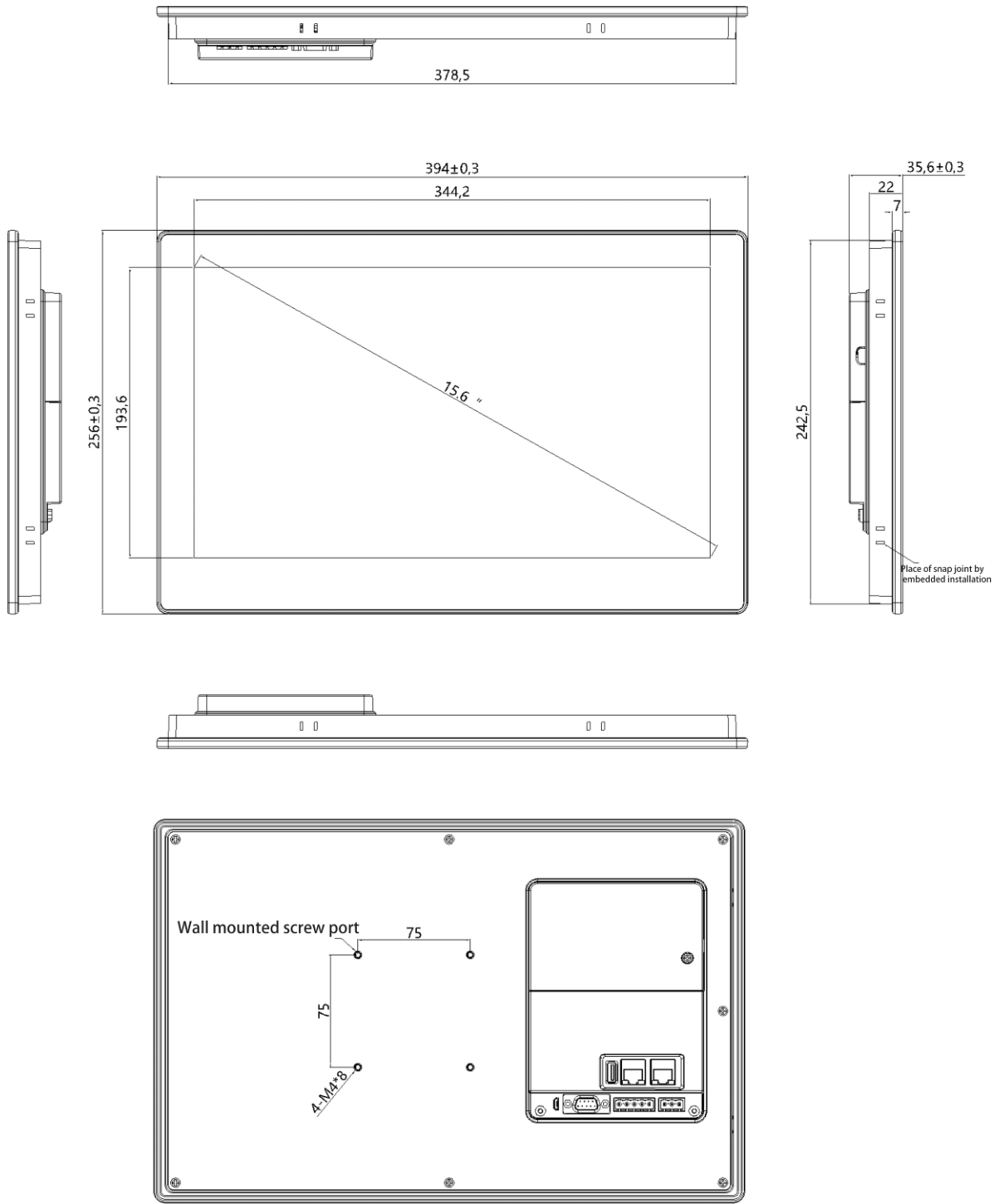
Hardware parameter	Display	15.6" 16:9 TFT LCD
	LCD viewing angle (T/B/L/R)	85'/85'/85'/85'
	Resolution(W xH)	1920×1080
	Colors	65K
	Brightness	250 cd/m <sup>2</sup>
	Backlight	LED
	LCD Life	50000 hours
	Touch Panel	4 wires resistive touch screen
	CPU	1G ARM Cortex-A8
	Memory	256MB FLASH+512MB DDR3
	RTC	Built in
	SD card	Micro SD (TF) card
	Ethernet	10M/100M Ethernet
	USB Port	1 USB Slave 2.0 Port; 1 USB Host 2.0 Port
	Download Project	USB Disk/USB Device/Ethernet
	COM Port	COM1/ COM3: RS232/RS485/RS422; COM2: RS485/RS422
Electrical Specifications	RatedPower	< 18W
	RatedVoltage	DC 24V,Input Range:DC 18V ~ 28V
	PowerProtection	Isolated power supply, protected from thunderstrike and surging
	AllowPowerLoss	< 5mS
	CE & RoHS	EN61000-6-2:2005, EN61000-6-4:2007, RoHS, CESurge Immunity:±1KV; EFT:±2KV; ESD:4KV, Air:8KV
Environmental Specifications	OperatingTemperature	0~50°C
	StorageTemperature	-20~60°C
	UVProtection	Do not work in strong ultraviolet light (such as direct sunlight)
	AmbientTemperature	10~90%RH (Non Condensation)
	ShockResistance	10 ~ 25Hz(X/Y/Z 2G/30Min)

	Cooling Method	Natural cooling
Mechanical Index	Installation	embedded installation/VESA installation
	Degree of Protection	Front IP65(with NEMA Panel), Back IP20
	Enclosure	Aluminum Alloy
	Panel Cutout	380mm×245mm
	Dimension	394mm × 256mm × 36mm , thickness 22mm(not including expansion_
	Weight	About 2250g

**Wiring definition**

Power terminal (Pin1~Pin3from left to right)		
	Pin1	DC24V
	Pin2	GND
	Pin3	FG
DB9 Serial terminal(COM1/COM3)		
	Pin1	Rx-(B)
	Pin2	RxD (COM1 RS232)
	Pin3	TxD (COM1 RS232)
	Pin4	Tx-
	Pin5	GND
	Pin6	Rx+(A)
	Pin7	RxD (COM3 RS232)
	Pin8	TxD (COM3 RS232)
	Pin9	Tx+
COM2 Port		
	Pin1	Rx+(A)
	Pin2	Rx-(B)
	Pin3	GND
	Pin4	Tx+
	Pin5	Tx-
USB Host		
	USB Type A	Used to connect U disk, scan code gun and other peripherals
USB Slave		
	MicroUSB	Used to download programs and debug
FLink Expansion module		
	Expansion module card slot	Support Module: FLink FLink-2G-A FLink-4G-A FLink-WiFi-A

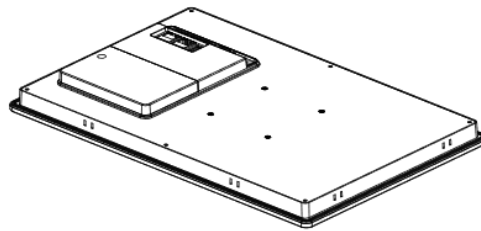
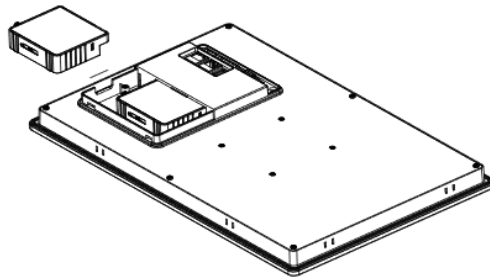
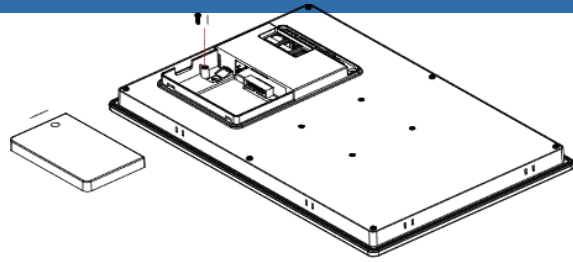
Size FE6156H



Size of Wall mounted screw port: 380mm\*245mm

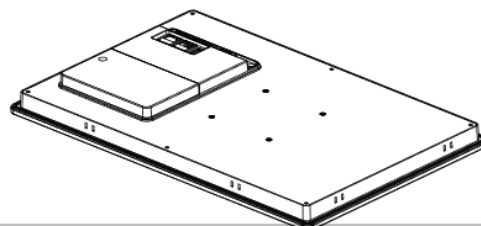
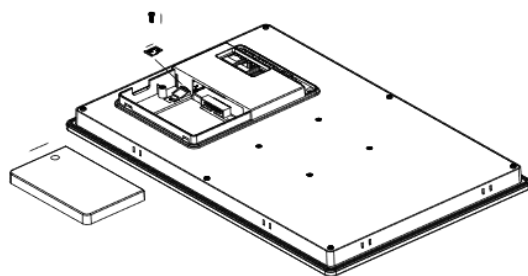
## FLink Installation

---



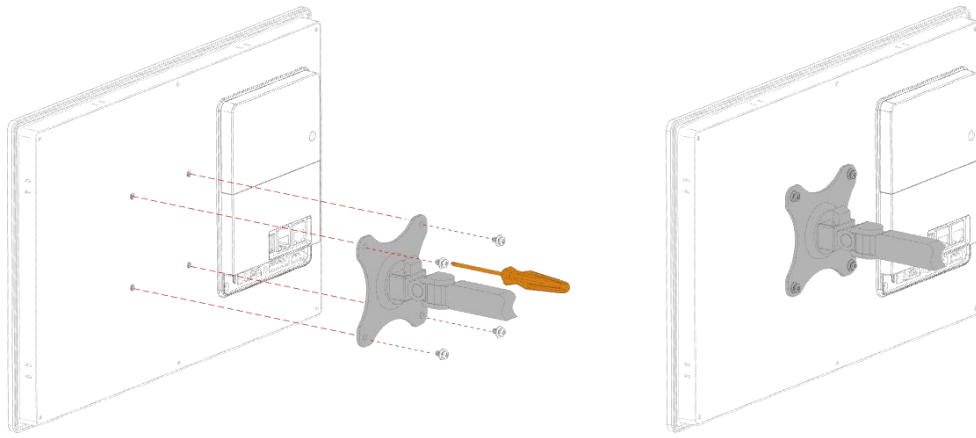
## TF card Installation

---



## VESA Installation

---



Accessory: screw PM4\*8 (Not including pylons) 。

Contact us

---

**Shanghai (R&D Center)**

Address: Floor 11, Block B, INNO Center,  
No.298, Guoxia Road,  
Yangpu District, Shanghai

Telephone: +86-21-68683993  
Fax: +86-21-65107569

**Suzhou**

Address: Room 915, Ricky Building,  
No.668,YutingAvenue,Suzhou  
Industrial Park

Telephone: +86-512-69833996

**Shenzhen (Factory)**

Address: 5th Floor, NO.2 Building,  
Lanyun Science Park,  
Tangtou Road, Shiyan Town,  
Baoan District, Shenzhen,  
China

Telephone: +86-755-27610682  
Fax: +86-755-27629895

**Wuxi**

Address: Room 1603, Taihu  
Mingzhu Development  
Building, No. 1890  
Taihu West Road, Binhu  
District, Wuxi City

Telephone: +86-18505101982

**Beijing**

Address: Room 2008, Building 1, No.  
93 Jianguo Road, Chaoyang  
District, Beijing (Wanda  
Plaza)

Telephone: +86-10-58204608  
Fax: +86-10-58204608

**Hangzhou**

Address: Floor 1, Unit LEO, Block  
5, Singapore Science  
Park, Road 6th,  
Xiasha Economic  
Development Zone,  
Hangzhou