

VEICHI IOT Human Machine Interface Series

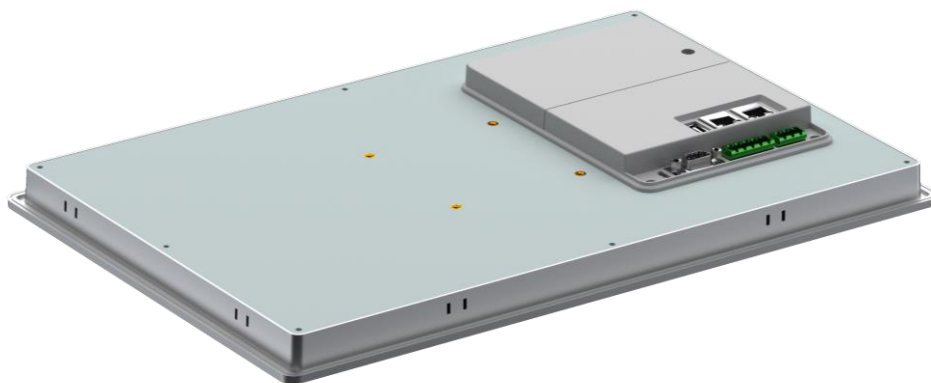
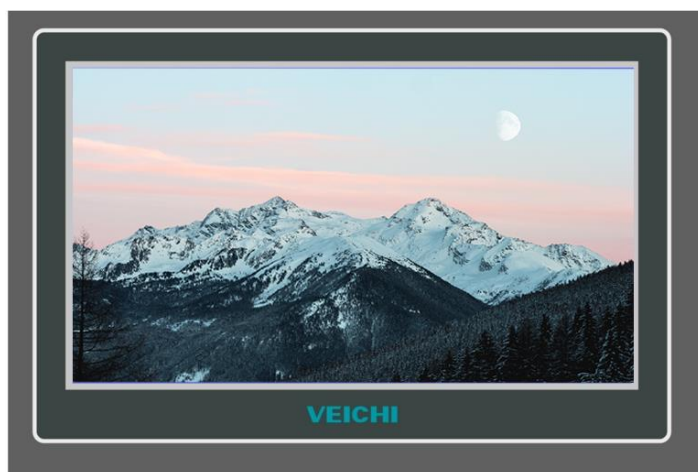
Model: VI20-156S-FE

Product Overview

VEICHI VI20 series, the new generation of IOT HMI. High reliability, low cost, aluminum housing; The main board is triple-anti-painted to adapt to harsh environments. New mold, using a more practical backward wire outlet; Redesigned appearance, with a higher value; Higher resolution models are available.

With the optional FLink IOT module, you can immediately upgrade to IOT HMI and enjoy the complete industrial IOT cloud platform service.

Product Appearance

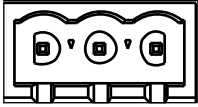
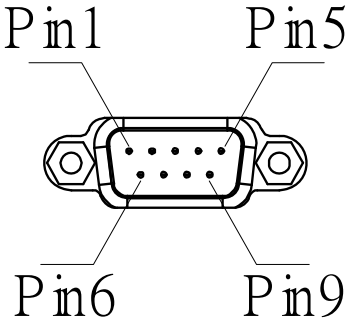
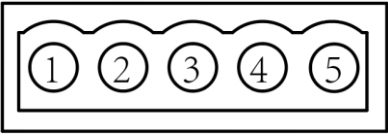
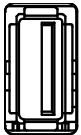



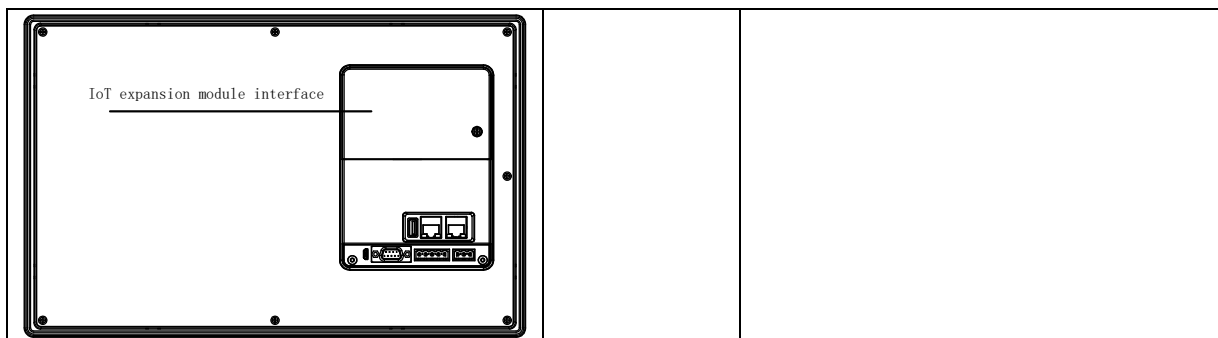
Product Specification

Hardware Parameter	Display Screen	15.6" 16:9 TFT LCD screen
	LCD viewing angle (T/B/L/R)	85'/85'/85'/85'
	Resolution	1920×1080
	Color	65K
	Brightness	250 cd/m ²
	Back lighting	LED
	LCD Lifespan	50000 hours
	Touch Screen	4-wire industrial resistive touch screen
	CPU	1G ARM Cortex-A8
	Memory	256MB FLASH+512MB DDR3
	RTC	Real-time clock built-in
	SD Card	Micro SD (TF) card
	Ethernet	2-way 10M/100M adaptive
	USB Port	1pc USB Slave 2.0 Port; 1pc USB Host 2.0 Port
	Program Download Method	USB Slave/U flash drive/Ethernet
Serial communication port	COM1/ COM3: RS232/RS485/RS422; COM2: RS485/RS422	
Electrical Specification	Power Rating	< 18W
	Rated voltage	DC24V, Workable range DC 18V~28V
	Power Protection	Adopt power isolation module, with lightning surge protection
	Allowed power loss	< 5mS
	CE & RoHS	Comply with EN61000-6-2:2005, EN61000-6-4:2007 standards Comply with RoHS lightning surge ±1KV, group pulse ±2KV. Electrostatic contact 4KV, air discharge 8KV
Environment Requirement	Operating temperature	0~50℃
	Storage temperature	-20~60℃
	Ultraviolet protection	Prohibited to work in strong UV environment (such as direct sunlight)
	Environmental Humidity	10~90%RH (Non-condensing)
	Earthquake resistance	10~25Hz (X、Y、Z Direction 2G/30 Minutes)
	Cooling method	Natural air cooling
Mechanical Indicator	Installation method	Flush Mount / VESA Mount
	Protection level	The front panel meets IP65 (with flat panel cabinet installation) and the rear housing meets IP20

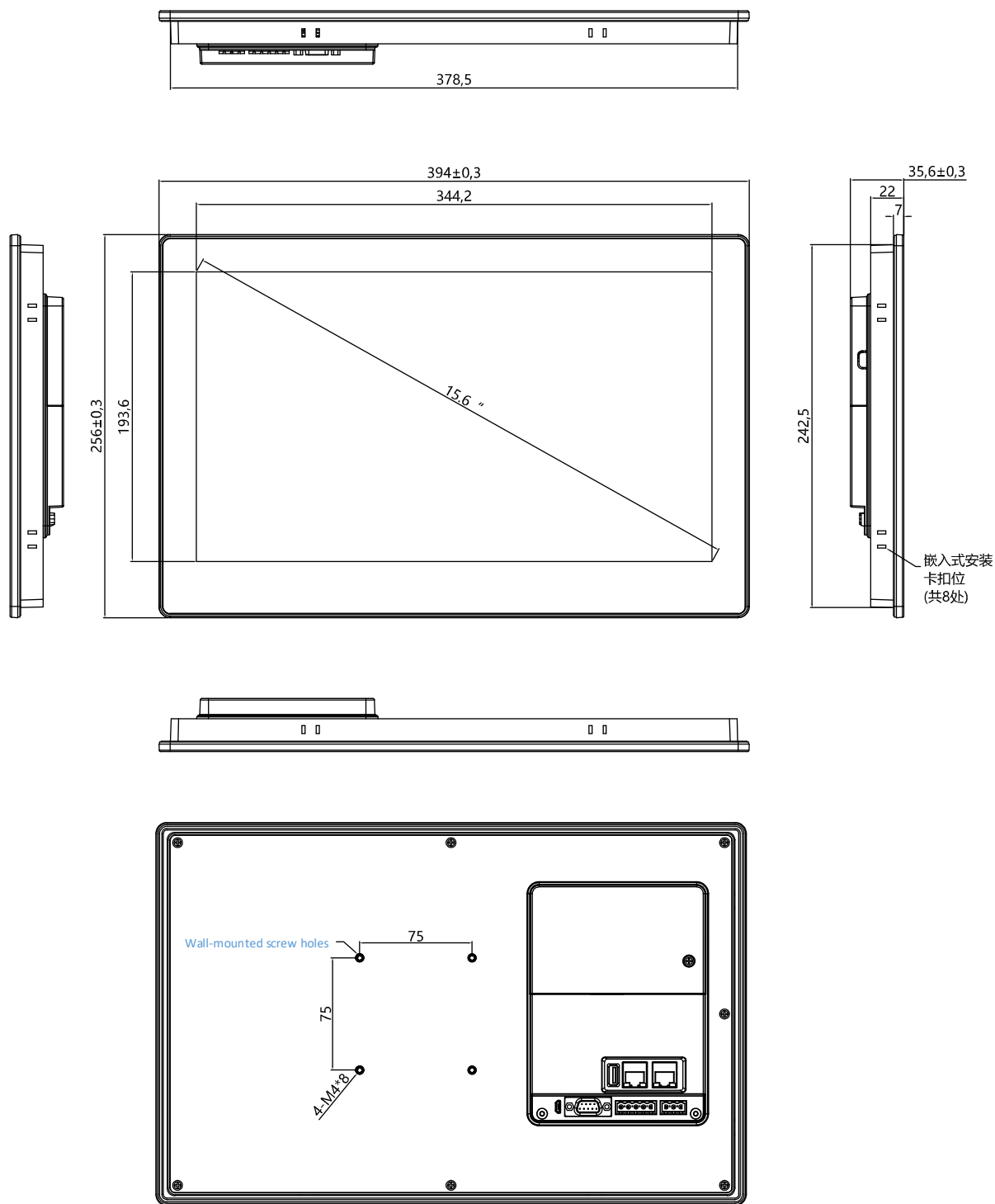
	Mechanical structure	Aluminum alloy housing
	Hole size	380mm×245mm
	Whole machine size	394mm×256mm×36mm, Thickness 22mm without extension
	Whole machine weight	About 2250g

Wiring Definition

Power Terminal (Pin1~3 From left to right)		
	Pin1	DC24V
	Pin2	GND
	Pin3	FG
DB9 Skewer 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 peripherals such as U-disk, scan gun, etc.
USB Slave		
	MicroUSB	For downloading programs and debugging
FLink Extension Module		
	Expansion Module Card Slot	Support Module: IOT-BS4.0-Flink (4G) IOT-BWS1.0-Flink (WIFI)

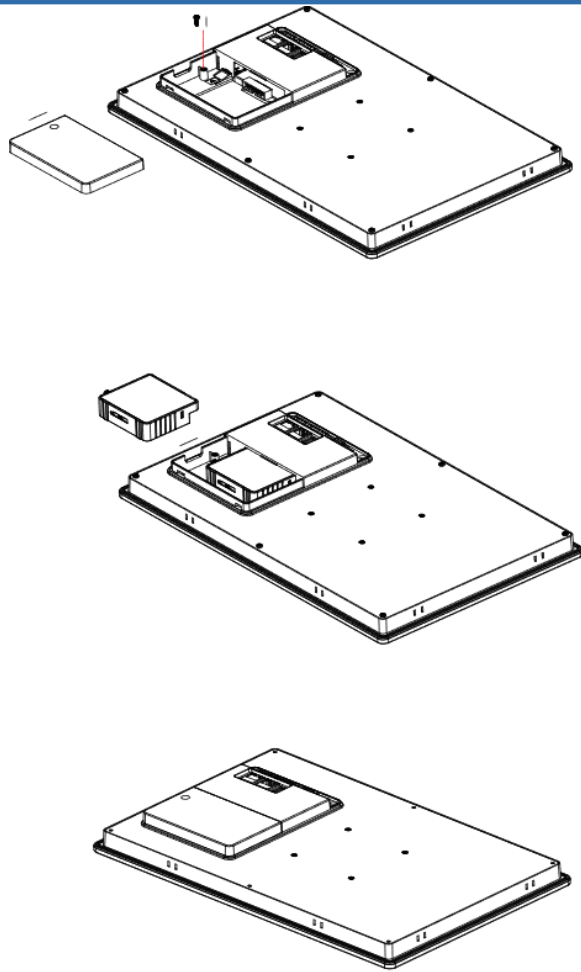


Size VI20-156S-FE

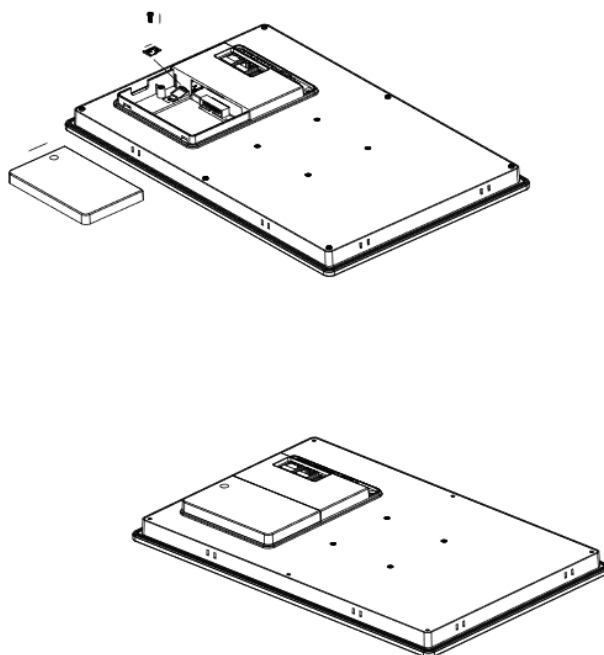


Recessed installation opening size : 380mm*245mm

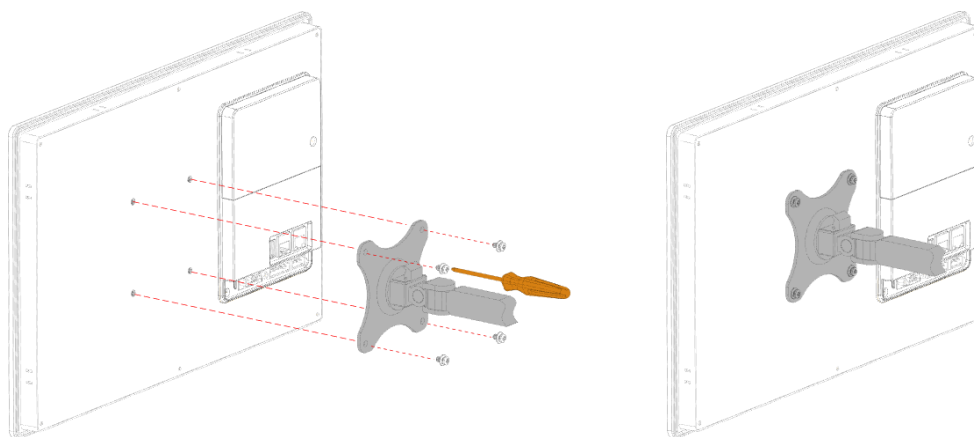
FLink Installation schematic



TF Card Installation schematic



VESA Installation schematic



Accessories include: Screws PM4*8 (Hangers not included)