

VEICHI

VI 20 Series HMI



Product Overview

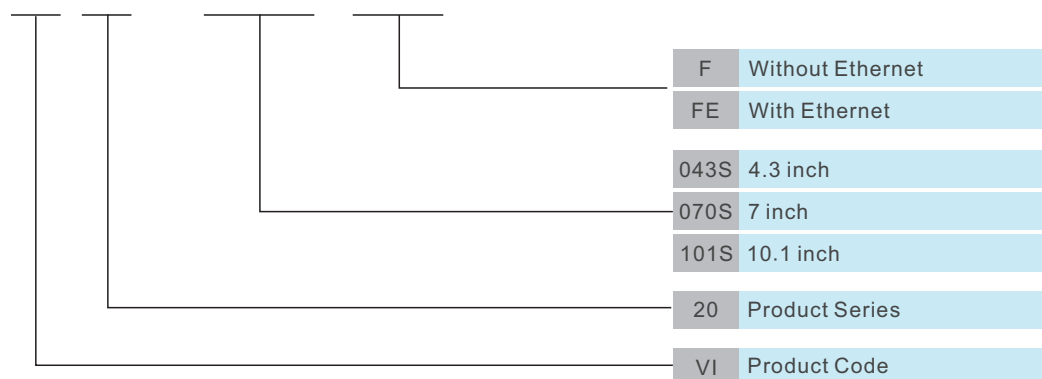
VEICHI industrial HMI VI20 series , a new generation of the IOT HMI with industrial ABS plastic shell and high reliability. The new model comes with a more practical down-cable approach and a better looking. The higher resolution models are also available

With the FLink IOT module, you can upgrade the IOT HMI immediately and enjoy a complete and convenient industrial IOT cloud platform service



Model Description

VI 20 - 101S - F E



Features of the Product

HD, highlight, full viewing angle

Using high-definition, high-brightness display LCD, the maximum viewing angle reaches 170 degrees

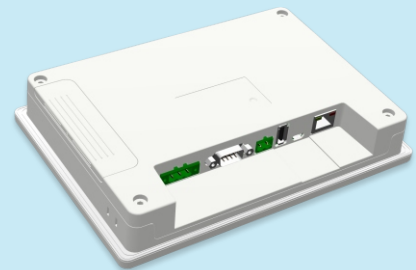
4.3"	800×480	250 cd/m ²
7"	1024×600	350 cd/m ²
10.1"	1024×600	400 cd/m ²



Support edge computing

Possess powerful embedded operating software, namely edge computing software

-  300+ protocol local resolution
-  VPN and routing functions
-  Data storage function
-  Support MQTT



Support Flink IoT expansion module

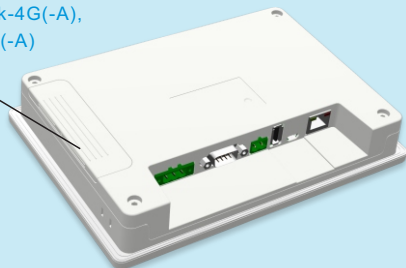
Remote configuration of field device data is possible through Flink

-  PLC remote download
-  Data configuration
-  Historical data query
-  Alarm configuration

Expansion module card slot

support module:

FLink, FLink-2G(-A), FLink-4G(-A),
FLink-4G(-C), FLink-WiFi(-A)



Support cloud platform Flex Cloud

Powerful SAAS platform based on B/S structure

-  Configuration monitoring
-  Map monitoring
-  Data report
-  Mobile APP

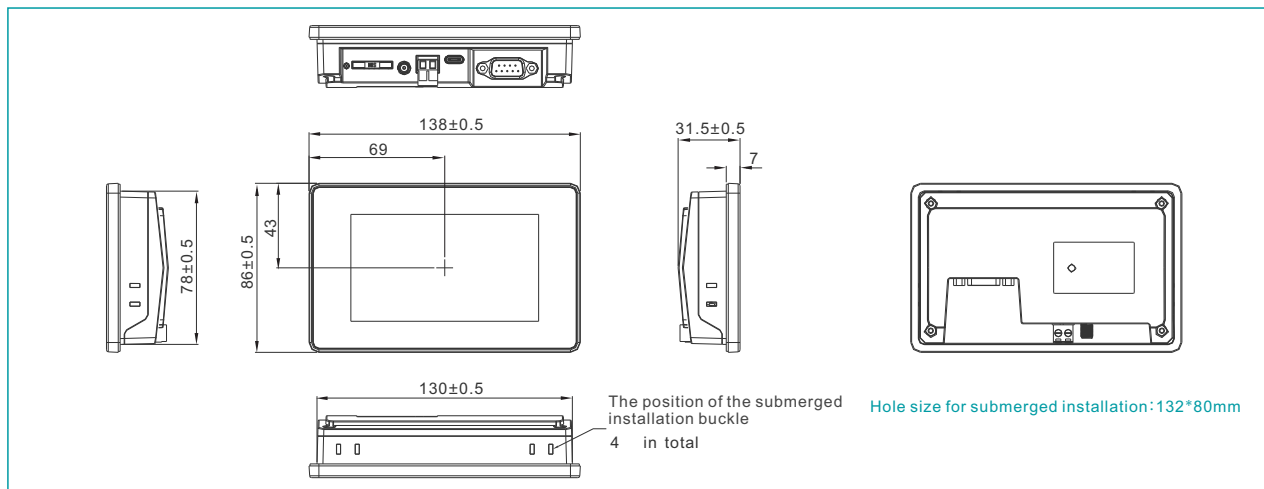


Technical Parameter

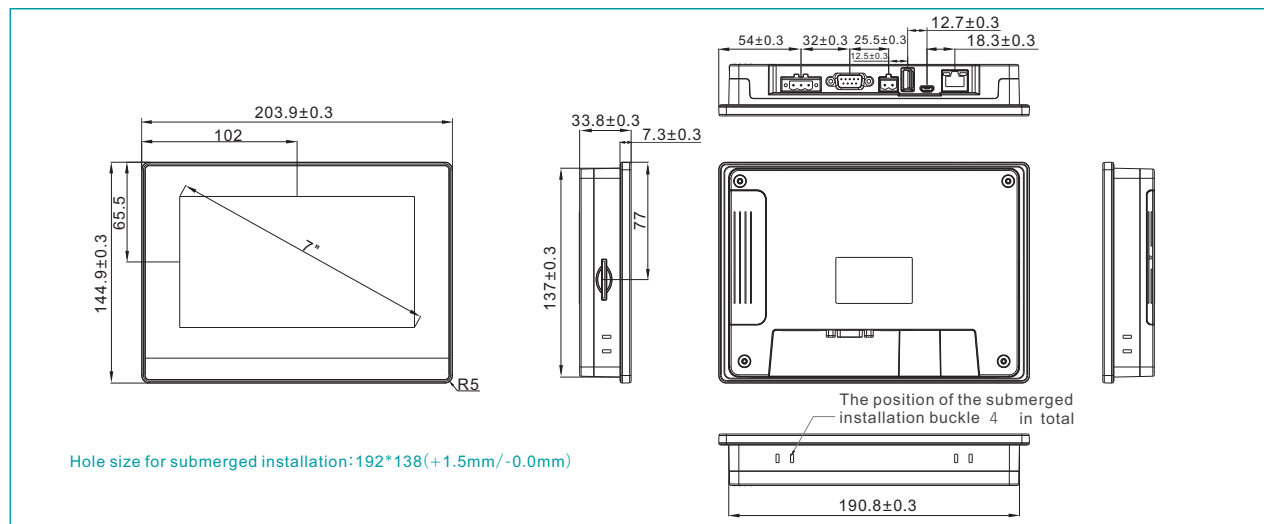
Hardware parameters	Model	VI20-043S-F	VI20-070S-F	VI20-070S-FE	VI20-101S-F	VI20-101S-FE
	Display screen	4.3" 16:9 TFT LCD screen	7" 16:9 TFT LCD screen		10.1" 16:9 TFT LCD screen	
	Resolution	800×480	1024×600			
	Color	16 bits	24 bits			
	Brightness	250 cd/m²	350 cd/m²		400 cd/m²	
	Backlight	LED				
	LCD life	50000 hours				
	Touch screen	4-wire industrial resistive touch screen				
	CPU	720MHz ARM	600MHz ARM Cortex-A8			
	Memory	64MB RAM+128MB Flash	128M Flash + 128M DDR3			
	RTC	With	Built-in real-time clock			
	Ethernet	Without	Without	1 channel 10M/100M adaptive	Without	1 channel 10M/100M adaptive
	USB port	One Type-C OTG interface	One USB Slave 2.0 port;One USB Host 2.0 port			
	Program download method	USB Slave/U Disk(Need to be equipped with adapter cable)	USB Slave/U Disk	USB Slave/U Disk/Ethernet	USB Slave/U Disk	USB Slave/U Disk/Ethernet
Electrical Specifications	Serial communication interface	COM1 RS232/RS485/RS422 COM3: RS232	COM1:RS232/RS485/RS422 COM2:RS485 COM3:RS232	COM1:RS232/RS485/RS422 COM2:RS485 COM3:RS232	COM1: RS232/RS485/RS422 COM3: RS232	COM1:RS232/RS485/RS422 COM2:RS485 COM3:RS232
	LCD viewing angle (T/B/L/R)	80°/80°/80°/80°	85°/85°/85°/85°			
	Rated power	< 2.5W	< 10W			
	Rated voltage	DC24V, Workable range DC 9V~28V				
	Power protection	With lightning surge protection				
Environmental requirements	Allow power loss	< 5mS				
	CE & RoHS	Comply withEN61000-6-2:2005 ; EN61000-6-4:2007 standard ; Lightning surge±1KV ; Group pulse±2KV ; Static contact 4KV ; Air discharge 8KV Comply with RoHS	Comply with EN61000-6-2:2005 EN61000-6-4:2007 standard Comply with RoHS lightning surge±1KV Group pulse±2KV Static contact 4KV, Air discharge 8KV			
	Operating temperature	0~50℃				
	Storage temperature	-20~60℃				
	Anti-UV	It is forbidden to work in a strong ultraviolet environment (such as direct sunlight)				
	Environment humidity	10~90%RH(No condensation)				
Mechanical index	Shock resistance	10~25Hz (X/Y/Z direction 2G/30 minutes)				
	Cooling method	Natural air cooling				
	Protection level	The front panel complies with IP65 (installed with flat panel cabinets), and the back shell complies with IP20				
	Mechanical structure	Engineering plastics				
	Hole size	132mm×80mm	192mm×138mm		260mm×202mm	
	Overall size	138mm×86mm×32mm	204mm×145mm×33.8mm		273mm×213mm×36mm	
	Total size	About 300g	About 560g		About 890g	

Installation Dimension Drawing

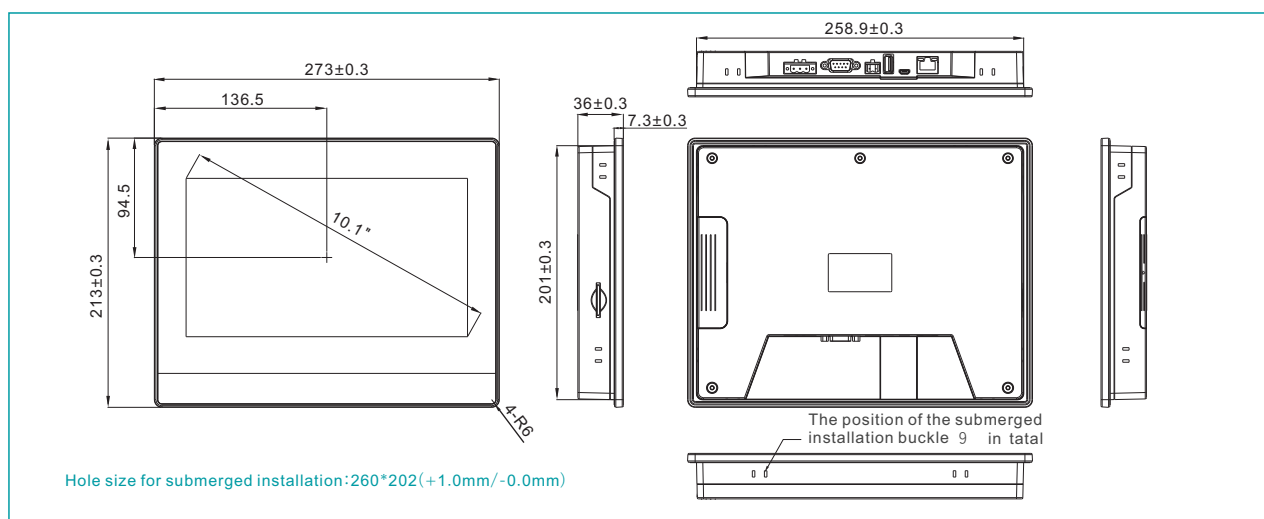
VI20-043S-F dimensional drawings



VI20-070S-F/VI20-070S-FE dimensional drawings



VI20-101S-F/VI20-101S-FE dimensional drawings



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