

## VEICHI IOT human machine interface series

**Model: VI20-070S-FEZ**

### Product overview

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VEICHI vi20 series, a new generation of Internet of things man-machine interface, industrial ABS plastic shell, low cost, high reliability; new mold opening, using more practical downward outlet way; redesigned front face, with higher face value; higher resolution models are available.

By selecting the link IOT module, you can immediately upgrade to the IOT man-machine interface and enjoy a complete industrial IOT cloud platform service.

### Product appearance

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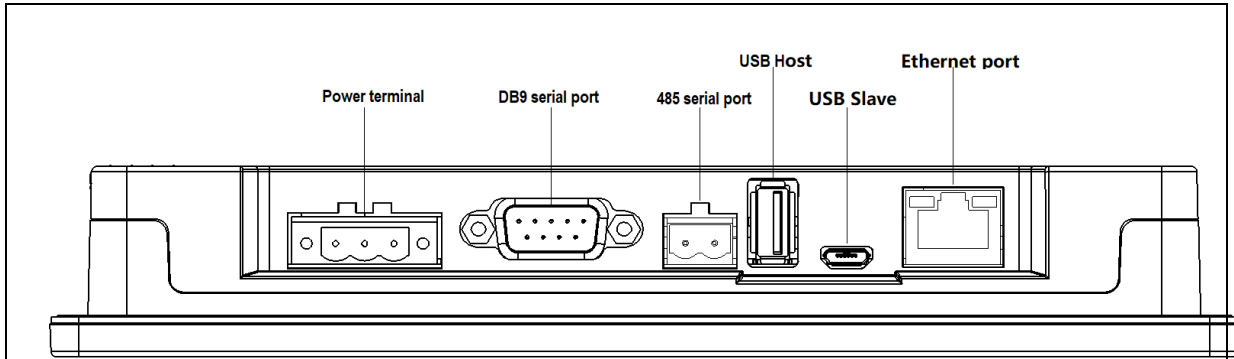


## Product specifications

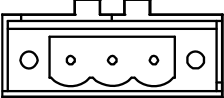
Hardware parameters	Display	7" 16:9 TFT LCD screen
	Resolving power	1024×600
	Color	24 bit
	Brightness	350 cd/m <sup>2</sup>
	Backlight	LED
	LCD life	50000 hours
	Touch screen	4-wire industrial resistance touch screen
	CPU	600MHz ARM Cortex-A8
	Storage	128M Flash + 128M DDR3
	RTC	Real time clock built in
	Ethernet	One channel 10m / 100M adaptive
	SD card	support
	USB port	1 USB slave 2.0 port; 1 USB host 2.0 port
	Program download mode	USB Slave/Udisk
	Serial communication port	COM1:RS232/RS485/RS422 COM2:RS485 COM3:RS232
LCD viewing angle (T/B/L/R)	85'/85'/85'/85'	
Electrical specifications	Rated power	< 10W
	Rated voltage	DC24V, working range DC 9V~28V
	Power protection	Lightning surge protection
	Power loss allowed	< 5mS
	CE & RoHS	According to en61000-6-2:2005 and en61000-6-4:2007 According to RoHS lightning surge ± 1kV, group pulse ± 2KV; Electrostatic contact 4KV, air discharge 8Kv
Environmental requirements	Working temperature	0~50°C
	Storage temperature	-20~60°C
	Ultraviolet-proof	Do not work in strong ultraviolet environment (such as direct sunlight)
	Ambient humidity	10~90%RH (no condensing)
	Earthquake resistance	10 ~ 25Hz (2G / 30min in X, y and Z directions)
	Cooling mode	Natural air cooling
Mechanical index	Protection level	The front panel conforms to IP65 (installed with flat panel cabinet), and the rear shell conforms to IP20
	Mechanical structure	Engineering plastic
	Opening size	192mm×138mm
	Overall dimensions	204mm×145mm×33.8mm

Overall weight	About 560g
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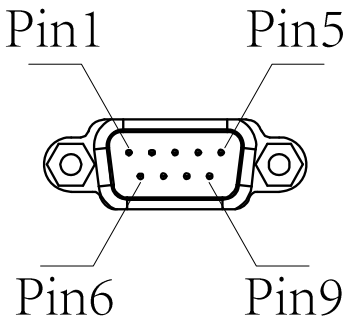
### Wiring definition




#### Power supply terminal (Pin1 ~ 3 from left to right)

	Pin1	FG
	Pin2	0V
	Pin3	DC24V


#### DB9 serial port terminal

	pin	COM1	COM3
	Pin1	Rx-(B) (RS422/485-)	
	Pin2	RxD (RS232)	
	Pin3	TxD (RS232)	
	Pin4	Tx- (RS422)	
	Pin5	GND	
	Pin6	Rx+(A) (RS422/485+)	
	Pin7		RxD (RS232)
	Pin8		TxD (RS232)
	Pin9	Tx+ (RS422)	


#### 485 terminal (Pin1 ~ 2 from left to right)

	Pin1	A+ (COM2 RS485)
	Pin2	B- (COM2 RS485)


#### Ethernet port

	RJ45	It is used to set Ethernet with controller or connect server
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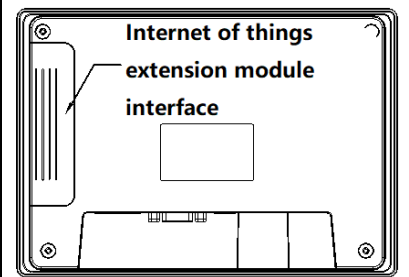
#### USB Host

	USB Type A	Used to connect U disk, code scanning gun and other peripherals
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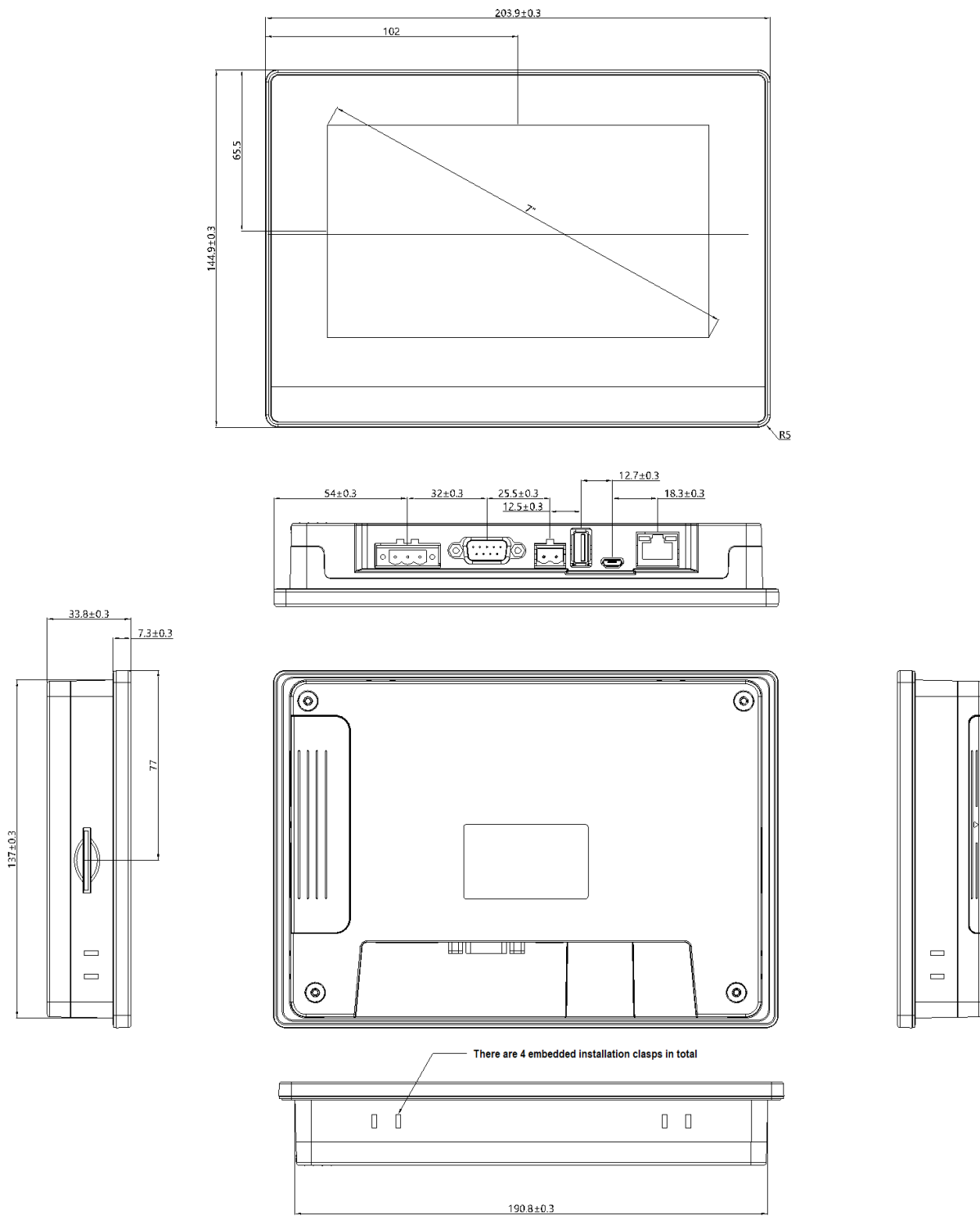
#### USB Slave

	Micro USB	For downloading programs and debugging
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Link extension module		
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 <p><b>Internet of things extension module interface</b></p>	<p>Expansion module slot</p>	<p>Support module: FLink、FLink-2G(-A)、FLink-4G(-A)、FLink-4G(-C)、 FLink-WiFi(-A)</p>
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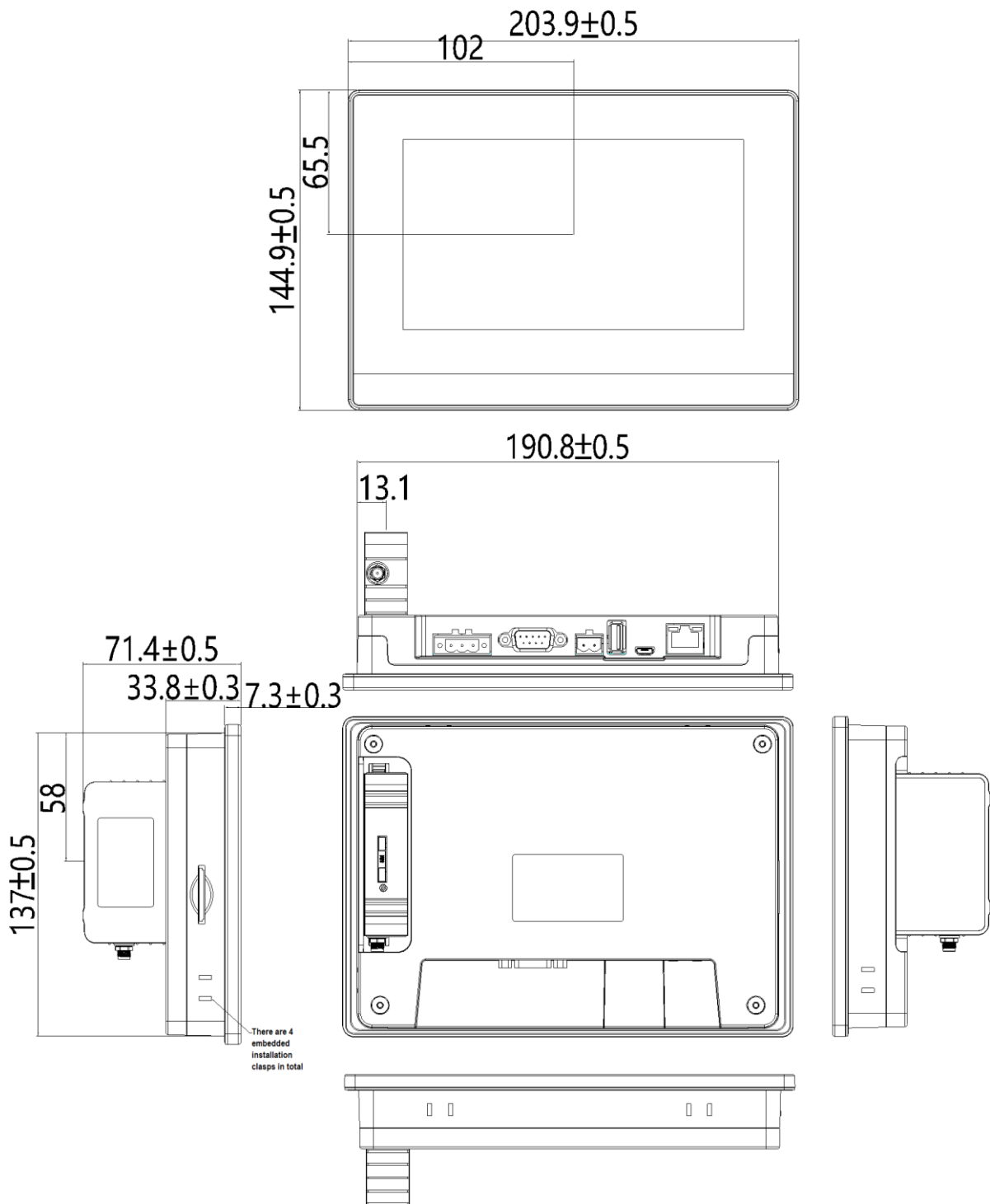
**SIZE VI20-070S-FEZ**



Embedded installation hole size:  $192 * 138 (+ 1.5\text{mm} / - 0.0\text{mm})$



**SIZEVI20-070S-FEZ +FLink**



**Embedded installation opening size: 192mm \* 138mm (+ 1.0 / - 0.0mm)**

