HMI 3000 Series

Module: VC3043H

Overview

- Plastic enclosure, low cost, high reliability.
- The main board is treated with a special coating (three anti-paint) to adapt to harsh environment.
- High resolution, high brightness, LED backlight, more energy saving and environmental protection.
- The USB host port supports U disk to storage and download data.
- 2-way serial port, more powerful expansion function.
- New configuration software, rich library, powerful features.

Appearance



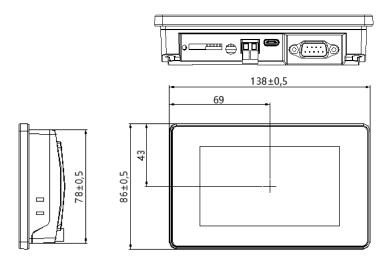


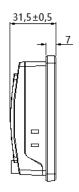
Specifications

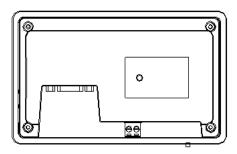
Display A.3" 16:9 TFT LCD		1		
Colors 16-bit		Display	4.3" 16:9 TFT LCD	
Brightness 250 cd/m²		Resolution(WxH)	800×480	
Backlight LED		Colors	16-bit	
LCD Life 50000 hours Touch Panel 4 wires resistive touch screen(Surface hardness 4H)		Brightness	250 cd/m ²	
Touch Panel 4 wires resistive touch screen(Surface hardness 4H)		Backlight	LED	
Hardware Parameter Posc Com Port Power Consumption Power Potection Protected from thunderstrike and surging Power Down Allowed Power Power Potection Power Down Allowed Power Potection Protected from thunderstrike and surging Power Down Allowed Power Potection Protected from thunderstrike and surging Power Down Allowed Power Potection Protected from thunderstrike and surging Power Down Allowed Power Potection Protected from thunderstrike and surging Power Down Allowed Power Potection Protected from thunderstrike and surging Power Down Allowed Power Potection Protected from thunderstrike and surging Power Down Allowed Power Potection Protected from thunderstrike and surging Power Down Allowed Power Potection Protected from thunderstrike and surging Power Potection Power Potection Protected from thunderstrike and surging Power Power Potection Power Potection Power P		LCD Life	50000 hours	
Parameter Memory 64MB RAM +128MB Flash SD Card None Ethernet None USB Port 1 Type-C OTG Connection Download Project USB Slave Port/U-disk COM Port COM1: RS232/RS485/RS422; COM3: RS232 LCD viewing angle (T/B/L/R) 80/80/80/80/ LCD viewing angle (T/B/L/R) Power Consumption C2.5W Input Power DC24V, Working range DC 9V~28V Power Protection Protected from thunderstrike and surging Power Down Allowed < 5mS Camplied with EN61000-6-2:2005, EN61000-6-4:2007, ROHS, Surge Immunity:±1KV, EFT:±2KV, ESD:4KV, Air:8KV EFT:±2KV, ESD:4KV, Air:8KV Storage Temperature 0~50C Anti-UV Not suitable to work in strong ultraviolet light (such as direct sunlight) Operating Humidity 10~90%RH(no condensate) Vibration Endurance 10~25Hz (X,Y,Z direction 2G/30 minutes) Cooling Natural air cooling Degree of Protection Front IP65 (with NEMA panel, Back IP20) Enclosure ABS Panel Cutout 132mm×80mm Dimension 138mm×86mm×32mm		Touch Panel	4 wires resistive touch screen(Surface hardness 4H)	
SD Card None	Hardware	CPU	600MHz ARM9	
Ethernet None USB Port 1 Type-C OTG Connection Download Project USB Slave Port/U-disk COM Port COM1: RS232/RS485/RS422: COM3: RS232 LCD viewing angle (T/B/L/R) 80/80/80/80/ Input Power Ocasumption < 2.5W Input Power DC24V, Working range DC 9V~28V Power Protection Protected from thunderstrike and surging Power Down Allowed < 5mS CE & ROHS EN61000-6-4:2007, ROHS, Surge Immunity:±1KV, EFT:±2KV, ESD:4KV, Air:8KV Operating Temperature 0~50C Storage Temperature -20~60C Anti-UV Not suitable to work in strong ultraviolet light (such as direct sunlight) Operating Humidity 10~90%RH(no condensate) Vibration Endurance 10~25Hz (X,Y,Z direction 2G/30 minutes) Cooling Natural air cooling Degree of Protection Front IP65 (with NEMA panel, Back IP20) Enclosure ABS Panel Cutout 132mm×80mm Dimension 138mm×86mm×32mm	Parameter	Memory	64MB RAM +128MB Flash	
USB Port 1 Type-C OTG Connection Download Project USB Slave Port/U-disk COM Port COM1: RS232/RS485/RS422: COM3: RS232 LCD viewing angle (T/B/L/R) 80/80/80/80/ [Tybe-C OTG Connection COM1: RS232/RS485/RS422: COM3: RS232 LCD viewing angle (T/B/L/R) 80/80/80/80/ [Tybe-C OTG Connection COM1: RS232/RS485/RS422: COM3: RS232 LCD viewing angle (T/B/L/R) 80/80/80/80/ [Tybe-C OTG Connection COM1: RS232/RS485/RS422: COM3: RS232 LCD viewing angle (T/B/L/R) 80/80/80/80/ [Tybe-C OTG Connection COM1: RS232/RS485/RS422: COM1: RS232/RS485/RS422: COM2: RS232 [Tybe-C OTG Connection COM1: RS232/RS485/RS422: COM1: RS232/RS485/RS422: COM3: RS232 LCD viewing angle (T/B/L/R) 80/80/80/80/80/ [Power Consumption		SD Card	None	
Download Project USB Slave Port/U-disk COM 1: RS232/RS485/RS422: COM3: RS232		Ethernet	None	
COM Port COM1: RS232/RS485/RS422; COM3: RS232 LCD viewing angle (T/B/L/R) 80/80/80/80/ 80/80/80/80/ Power Consumption <2.5W Input Power Power Potection Protected from thunderstrike and surging Power Down Allowed <5mS CE & RoHS Environmental Specifications Operating Temperature Storage Temperature Storage Temperature Operating Humidity Operating Humidity Operating Humidity		USB Port	1 Type-C OTG Connection	
COM Port COM3: RS232		Download Project	USB Slave Port/U-disk	
COM3: RS232		COMPart	COM1: RS232/RS485/RS422;	
T/B/L/R 80/80/80/80/80/		COIVI PORT	COM3: RS232	
CT/B/L/R Power Consumption < 2.5W		LCD viewing angle	901/901/901/	
Input Power DC24V, Working range DC 9V~28V		(T/B/L/R)	80/80/80/	
Power Protection Protected from thunderstrike and surging		Power Consumption	< 2.5W	
Power Down Allowed < 5mS Complied with EN61000-6-2:2005, CE & RoHS EN61000-6-4:2007, ROHS, Surge Immunity:±1KV, EFT:±2KV, ESD:4KV, Air:8KV Operating Temperature 0~50C Storage Temperature -20~60C Anti-UV Not suitable to work in strong ultraviolet light (such as direct sunlight) Operating Humidity 10~90%RH(no condensate) Vibration Endurance 10~25Hz (X,Y,Z direction 2G/30 minutes) Cooling Natural air cooling Degree of Protection Enclosure ABS Panel Cutout 132mm×80mm Dimension 138mm×86mm×32mm		Input Power	DC24V, Working range DC 9V~28V	
Specifications Power Down Allowed < 5mS Complied with EN61000-6-2:2005, EN61000-6-4:2007, ROHS, Surge Immunity:±1KV, EFT:±2KV, ESD:4KV, Air:8KV Operating Temperature 0~50C Storage Temperature -20~60C Anti-UV Not suitable to work in strong ultraviolet light (such as direct sunlight) Operating Humidity 10~90%RH(no condensate) Vibration Endurance 10~25Hz (X,Y,Z direction 2G/30 minutes) Cooling Natural air cooling Mechanical Index Mechanical Index Panel Cutout 132mm×80mm Dimension 138mm×86mm×32mm		Power Protection	Protected from thunderstrike and surging	
Complied with EN61000-6-2:2005, EN61000-6-4:2007, ROHS, Surge Immunity:±1KV, EFT:±2KV, ESD:4KV, Air:8KV Operating Temperature 0~50C Storage Temperature -20~60C Anti-UV Anti-UV Operating Humidity 10~90%RH(no condensate) Vibration Endurance 10~25Hz (X,Y,Z direction 2G/30 minutes) Cooling Natural air cooling Degree of Protection Enclosure ABS Panel Cutout 132mm×80mm Dimension 138mm×86mm×32mm		Power Down Allowed	< 5mS	
Environmental Specifications Poperating Temperature 0~50C Storage Temperature -20~60C Anti-UV Operating Humidity 10~90%RH(no condensate) Vibration Endurance 10~25Hz (X,Y,Z direction 2G/30 minutes) Cooling Natural air cooling Degree of Protection Front IP65 (with NEMA panel, Back IP20) Enclosure ABS Panel Cutout 132mm×80mm Dimension 138mm×86mm×32mm	Specifications	CE & RoHS	Complied with EN61000-6-2:2005,	
Environmental Specifications Poperating Temperature			EN61000-6-4:2007, ROHS, Surge Immunity:±1KV,	
Environmental Specifications Anti-UV Operating Humidity Vibration Endurance Cooling Mechanical Index Storage Temperature -20~60C Not suitable to work in strong ultraviolet light (such as direct sunlight) 10~90%RH(no condensate) 10~25Hz (X,Y,Z direction 2G/30 minutes) Front IP65 (with NEMA panel, Back IP20) Enclosure ABS Panel Cutout 132mm×80mm Dimension 138mm×86mm×32mm			EFT:±2KV, ESD:4KV, Air:8KV	
Environmental Specifications Anti-UV Operating Humidity Operating Endurance Index Not suitable to work in strong ultraviolet light (such as direct sunlight) 10~90%RH(no condensate) 10~25Hz (X,Y,Z direction 2G/30 minutes) Natural air cooling Pront IP65 (with NEMA panel, Back IP20) Enclosure ABS Panel Cutout Dimension 138mm×86mm×32mm		Operating Temperature	0~50C	
Environmental Specifications Anti-UV Operating Humidity 10~90%RH(no condensate) Vibration Endurance 10~25Hz (X,Y,Z direction 2G/30 minutes) Cooling Natural air cooling Degree of Protection Front IP65 (with NEMA panel, Back IP20) Enclosure ABS Panel Cutout Dimension 138mm×86mm×32mm		Storage Temperature	-20~60C	
Specifications Operating Humidity Operating Humidity 10~90%RH(no condensate) Vibration Endurance 10~25Hz (X,Y,Z direction 2G/30 minutes) Cooling Natural air cooling Degree of Protection Front IP65 (with NEMA panel, Back IP20) Enclosure ABS Panel Cutout 132mm×80mm Dimension 138mm×86mm×32mm		Anti-UV	Not suitable to work in strong ultraviolet light (such as	
Operating Humidity 10~90%RH(no condensate) Vibration Endurance 10~25Hz (X,Y,Z direction 2G/30 minutes) Cooling Natural air cooling Degree of Protection Front IP65 (with NEMA panel, Back IP20) Enclosure ABS Panel Cutout 132mm×80mm Dimension 138mm×86mm×32mm			direct sunlight)	
Cooling Natural air cooling Degree of Protection Front IP65 (with NEMA panel, Back IP20) Enclosure ABS Panel Cutout 132mm×80mm Dimension 138mm×86mm×32mm		Operating Humidity	10~90%RH(no condensate)	
Degree of Protection Front IP65 (with NEMA panel, Back IP20) Enclosure ABS Panel Cutout 132mm×80mm Dimension 138mm×86mm×32mm		Vibration Endurance	10~25Hz (X,Y,Z direction 2G/30 minutes)	
Mechanical Index Enclosure ABS Panel Cutout 132mm×80mm Dimension 138mm×86mm×32mm		Cooling	Natural air cooling	
Mechanical Index Panel Cutout 132mm×80mm Dimension 138mm×86mm×32mm		Degree of Protection	Front IP65 (with NEMA panel, Back IP20)	
Panel Cutout		Enclosure	ABS	
Dimension 138mm×86mm×32mm		Panel Cutout	132mm×80mm	
Weight About 300g		Dimension	138mm×86mm×32mm	
		Weight	About 300g	

Wiring definition

Power Terminal (Pin1~Pin3 from left to right)					
	Pin1	FG			
	Pin2	0V			
	Pin3	DC24V			
DB9 Serial Terminal (Pin1~Pin9 from left to right)					
	Pin1	Rx-(B)			
Pin1 Pin5	Pin2	RxD (COM1 RS232)			
	Pin3	TxD (COM1 RS232)			
	Pin4	Tx-			
	Pin5	GND			
	Pin6	Rx+(A)			
	Pin7	RxD (COM3 RS232)			
Pin6 Pin9	Pin8	TxD (COM3 RS232)			
	Pin9	Tx+			
USB Host					
		Used to connect U disk, scan code gun			
	USB Type A	and other peripherals(It needs type C			
		and USB Type A conversion line			
USB Slave					
		Slave port function: used to download			
		programs and debug			
	USB Type C	Main port function:used to connect U			
	O3B Type C	disk, scan code gun and other			
		peripherals(It needs type C and USB			
		Type A conversion line			







Embedded Installation Size: 132*80mm