

HMI VC7000 Series

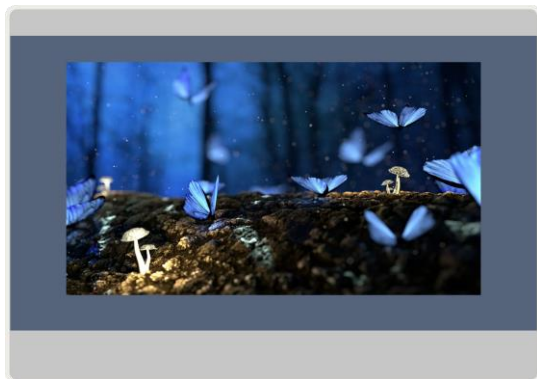
Model: VC7070W

Products Overview

VC7000 series HMI is our new generation IOT HMI. With HMI 6000 series high performance, industrial ABS economic frame, low cost and high reliability; fully new cover mold setting, fully new cover mould setting, optimize back cover on 6000 series HMI, removing back cover design and add antenna hole, increase products whole design, with more resolution model optional to satisfy different application scene needs.

VC7070W is traditional HMI products by using 1G,4 core A7 processor, high resolution touch screen display, and it can be used in various industrial production scene.

Products Outlook



Products Specificaitons

Hardware Parameters	Resolution	7" 16:9 TFT LCD touch screen
	Resolution	1024×600
	Color	24-bit
	Brightness	350 cd/m ²
	Backlight	LED
	LCD Life	50000 hours
	Touch Screen	4 industrial resistive Screen
	CPU	1GHz,4 core CortexTM-A7
	Memory	128MB Flash + 128MB DDR3
	RTC	Built-in
	Ethernet	None
	SD Card	Not supporting
	USB Port	1 Type-C OTG interface
	Program Downloading	USB Slave/U disc(adapt to Type-C conversion line)
	Serial Communication Port	COM1:RS232/RS485/RS422 COM2:RS485 COM3:RS232
LCD Viewing Angle (T/B/L/R)	85'/85'/85'/85'	
Electric Specifications	Rated Power	< 10W
	Rated Voltage	DC24V, working range DC 9V~28V
	Power Protection	Protect from Lightening and Surging
	Power Loss Allowed	< 5mS
	CE & RoHS	It confirms to EN61000-6-2:2005,EN61000-6-4:2007 standard Confirms to RoHS, lightening and surging±1KVgroup pulse±2KV; Static contact 4KV,air discharge 8KV
Environment Specifications	Working Temperature	0~50°C
	Storage Temperature	-20~60°C
	Anti-violet	Prohibit to work under strong violet environment such as direct sunshine.
	Environment Humidity	10~90%RH(non condensate)
	Anti-vibration	10~25Hz(X,Y,Z direction 2G/30 minutes)
	Cooling Way	Natural Cooling

Mechanic Parameters	Protection Grade	Front panel confirms to IP65(flat cabinet installation),frame confirms to IP20
	Mechanic Structure	Engineering Plastics
	Hole Size	192mm×138mm
	Machine Size	204mm×145mm×34mm (difference ±0.5mm)
	Weight	Around 468g

Wiring Definition

Power Terminals		DB9 Serial Ports		Type-C		Wiring Terminals	
Power Terminals (Pin1~3 from left to right)							
	Pin1	0V					
	Pin2	DC24V					
DB9 Serial Ports Terminals							
	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 Ports (Pin1~2 from left to right)							
	Pin1	A+ (COM2 RS485)					
	Pin2	B-(COM2 RS485)					
Type-C OTG Interface							
	Type-C	Slave Ports function: Used for program downloading and testing.					
		Main Interface Function: Used for connect U-disc, scanner etc (it need equip Type C and USB Type A conversation line).					
Antenna Ports							
		Antenna Ports(IOT function antenna hole)					

Size VC7070W

