

ECONOMIC HMI 4097C

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, with Ethernet port, more powerful expansion function.
- New configuration software, rich library, powerful features.

Appearance



Specifications

Hardware parameter	Display	9.7" 4:3 TFT LCD
	Resolution(WxH)	1024×768
	Colors	16-bit
	Brightness	350 cd/m ²
	Backlight	LED
	LCD Life	50000 hours
	Touch Panel	4 wires resistive touch screen
	CPU	600MHz ARM Cortex-A8
	Memory	128M Flash + 128M DDR3
	RTC	Built in
	Ethernet	NA
	USB Port	USB Slave 2.0 Port*1, USB Host 2.0 Port*1
	Download Project	USB Slave/U-Disk
	COM Port	COM1:RS232/RS485/RS422 COM3: RS232
	LCD viewing angle (T/B/L/R)	85'/85'/85'/85'
Electrical Specifications	Power Consumption	< 10W
	Input Power	DC24V,working range DC 9V~28V
	Power Protection	Protected from thunder strike and surging
	Power Down Allowed	< 5mS
	CE & RoHS	Complied with EN61000-6-2:2005, EN61000-6-4:2007, RoHS, Surge Immunity:±1KV, EFT:±2KV,ESD:4KV, Air:8KV
Environment Specifications	Operating Temperature	0~50°C
	Storage Temperature	-20~60°C
	Anti-UV	Not suitable to work in strong ultraviolet light (such as direct sunlight)
	Operating Humidity	10~90%RH(Non condensation)
	Vibration Endurance	10~25Hz(X,Y,Z direction 2G/30 minutes)
	Cooling	Natural air cooling
Mechanical Index	Degree of protection	Front IP65(with NEMA panel),Back IP20
	Enclosure	Engineering plastic
	Panel Cutout (WxH)	259mm×201mm
	Dimension	276mm×213mm×39mm
	Weight	About 1100g

Wiring definition

USB Host		USB Slave		DB9Serial terminal		Power terminal	
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)				
		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+				
USB Host							
		USB Type A	Used to connect U disk, scan code gun and other peripherals				
USB Slave							
		MicroUSB	Used to download programs and debug				

Size FE4097C



