



Main Features

- 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.

Specification

Display	: 7" 16:9 TFT LCD
Resolution (WxH)	: 800×480
Colors	: 24-bit
Brightness	: 360 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
SD Card Port	: Available
Ethernet	: 10M/100M Adaptation
USB Port	: USB Slave 2.0 Port*1, USB Host 2.0 Port*1
Download Port	: USB Slave Port/U-disk/ Ethernet /SD Card
COM Port	: COM1/COM2: RS232/RS485/RS422 COM3/COM4: RS232
LCD Viewing Angle (T/B/L/R)	: 50°/70°/70°/70°

Electrical Specification :

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

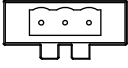
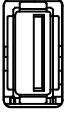
Environment Specification :

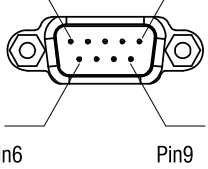
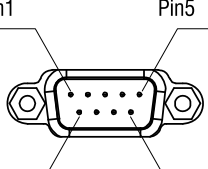
Operating Temperature	: 0~50°C
Storage Temperature	: -20~60°C
Anti-UV	: Not suitable to work in strong ultraviolet light (such as direct sunlight)
Operating Humidity	: 10~90%RH(Non condensation)
Vibration Endurance	: 10~25Hz(X,Y,Z direction 2G/30 minutes)
Cooling	: Natural air cooling

Mechanical Specification :

Degree of protection	: Front IP65(with NEMA panel), Back IP20
Enclosure	: Engineering plastic
Panel Cutout (WxH)	: 192mm×138mm
Dimension	: 204mm×145mm×44.5mm
Weight	: About 600g

Wiring Definition

Power Terminal (Pin1 ~Pin3 from left to right)		
	Pin1	FG
	Pin2	0V
	Pin3	DC 24V
Ethernet Port		
	RJ45	Used to Ethernet setup with the controller or for connecting to a server.
USB Slave		
	Micro USB	Used to download programs and debug
USB Host		
	USB Type A	Used to connect U disk, scan code gun and other peripherals

DB9 Serial Terminal (COM1 / COM3)		
	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+
DB9 Serial Terminal (COM2 / COM4)		
	Pin1	Rx-(B)
	Pin2	RxD (COM2 RS232)
	Pin3	TxD (COM2 RS232)
	Pin4	Tx-
	Pin5	GND
	Pin6	Rx+ (A)
	Pin7	RxD (COM4 RS232)
	Pin8	TxD (COM4 RS232)
	Pin9	Tx+

Dimensions & Panel Cutout

