User's Manual for HMI TP1343

■Hardware Specification 1
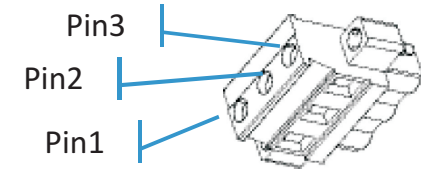
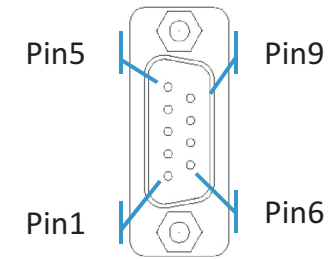| Type	TP1343
Hardware Performance	
Display	4.3'' TFT LCD
Resolution	480×272
Colors	65536
Brightness	300 CD/M
Backlight	LED
LCD life expectancy	50,000 hours
Touch Panel	4 wires resistive HMI(4H)
CPU	32 Bit 400MHz RISC ARM926EJ
Memory	128M Flash+64M DDR2 DRAM
RTC	Built in
Ethernet	N/A
USB Port	USB Host 1.1: Supporting USB storage; USB Device 2.0: Supporting USB program download
Program Download	USB Host/ USB Device
COM Port	COM0: RS232/ RS422/ RS485 COM2: RS485

■Hardware Specification 2

Type	TP1343
Electrical Specification	
Power Consumption	<4W
Input Power	DC 24V, Input Range: DC 18V~32V
Power Protection	Protect from surging and thunderstrike
Allowable momentary power-off	<5mS
CE&ROHS	Complied with EN61000-6-2:2005, EN61000-6-4:2007, ROHS; Surge Immunity ±4KV, EFT: ±4KV, ESD: 4K, Air: 8KV
Environment Specification	
Operation Temperature	-20~70℃ / 0~50℃
Storage Temperature	-30~80℃
Operation Humidity	10-90% RH (Without condensation)
Vibration Endurance	10~25 Hz(2G/30min in X,Y,Z direction)
Cooling method	Natural air cooling
Others	
Degree of Protection	Front IP65(With NEMA Panel), Back IP20
Shell Material	TP1343: Front cover made by aluminum and the surface with hard oxide treatment; Back cover made by steel and the surface with baking finish treatment TP1343: ABS+PC
Panel Cutout (W*H)	120mm×93mm
Dimension	128mm×102mm×32mm
Weight	About 400g/500g

Ports

1. Power terminals
Pin1 DC24V
Pin2 0V
Pin3 FG

2. COM0/COM2 Communication Port (9-pins communication port)
Pin1 Rx-(B) (COM0 RS485)
Pin2 Rx+(A) (COM0 RS485)
Pin3 Tx- (COM0 RS485)
Pin4 Tx+ (COM0 RS485)
Pin5 GND
Pin6 TxD (COM0 RS232)
Pin7 D-(B) (COM1 RS485)
Pin8 D+(A) (COM1 RS485)
Pin9 RxD (COM0 RS232)