

MULTI-TOUCH CAPACITIVE HMI

# RTS007

7 inch (17,7 cm)



### Picture Quality

Resolution - **1024 x 600**  
Color - **16 millions** (24-Bit)  
Brightness - **450cd/m2**  
View - **160°**

### Touch Panel

Type - **Capacitive**  
Multi-Touch, Multi-Gesture,  
Anti-Scratching, Glass+

### Features

CPU - **ARM Cortex A8** (600MHz)  
Memory - **128MB** (Flash) + **128MB** (RAM)  
SD Slot : **Yes**

### Connectivity

Serial - **COM1-COM4** (RS232/RS422/RS485)  
Ethernet - **10/100 Mbit**  
USB : **Host** (USB A) + **Slave** (USB B)

### Protection

Power - **Thunderstrike, Surging**  
COM Ports - **Isolated**  
PCB : **Spray Coating** (Anti-Dust, -Condensation,  
-Corrosion)



Power Supply - 24V DC

7"  
9.7"



# RTS 0xx Series

Model: RTS070

Model: RTS010

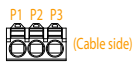
## Specifications

Item	RTS007	RTS010
Display type	TFT color LCD IPS	
Screen size	7 inch (17.7cm)	9,7 inch (24.6cm)
Display Resolution	1024x600 pixel (WSVGA)	1024x768 pixel (XGA)
Color indication	24-bit Color (16.2M)	
Indication degree	160 deg.	180 deg.
Backlight	LED Type	
Backlight duration	50,000 hours	
Brightness	450 cd/m <sup>2</sup>	350 cd/m <sup>2</sup>
Touch panel	Glass+ Glass projective Multi-Touch Capacitive	
CPU	600MHz ARM Cortex A8	
Flash Memory	128MB	
Operation RAM	128MB	
RTC Function	Built-in	
Ethernet	1 channel, 10/100BASE-TX	
SD Card Slot	SD/SDHC	
USB Host	1 channel, USB 2.0 host (mouse, keyboard, printer, barcode reader and USB memory driver is available)	
USB Client	1 channel, USB 2.0 slave (for download and upload project file)	
RS-232C	1 channel - COM3	
RS-485	2 channel - COM2/COM4	
RS-232/422/485	1 channel, 232/422/485 Combination	
COM Port Isolation	Yes	
Input Power	DC24V, working range DC 9V~28V	
Power Isolation	-	
Power Consumption	< 6W	
Power Down Allowed	< 5ms	
Power Protection	Protected from thunder strike and surging	
Multi-language	Up to 32 language simultaneously	
Animation	GIF format is available	
Recipe	Available	
Data logging	Available	
Macro executor	Available	
Download project	U-Disk/USB Device/Ethernet	

Item	RTS007	RTS010
Certificate		
CE & RoHS	CE: Complied with EN61000-6-2:2005, EN61000-6-4:2007 RoHS: Surge Immunity:±1KV, EFT:±2KV; ESD:4KV, Air:8KV	
Operating Temperature	-10 °C .. +60 °C	
Storage Temperature	-20 °C .. +70 °C	
Operating Humidity	10~90%RH (No condensate)	
Vibration Endurance	10~25Hz (X, Y, Z direction 2G/30 minutes)	
Degree of Protection	Front IP65 (with NEMA panel), Back IP20	
Cooling Method	Natural air circulation	
Enclosure	ABS+PC	
PCB Coating	Yes	
Mount	Panel mount - "Quick Lock"	
Panel Cutout	178x 125 mm	230 x 180 mm
External Dimensions	185.1 x 131.1 x 30 mm	247 x 197 x 31.5 mm
Weight	Approx. 750g (unit only)	Approx. 1240g (unit only)

[Power connector]

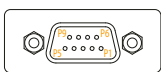
Pin Connection



Pin No.	Name
P1	FG
P2	0V
P3	+24V

[COM1/COM3 connector]

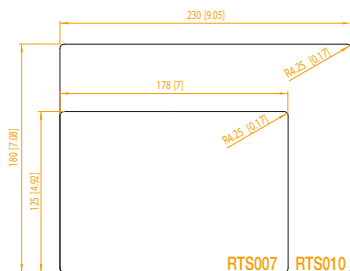
Pin Connection



D-Sub 9-pin (Unit side)

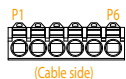
Pin No.	Name
P1	Rx-(B)
P2	RxD_PLC (COM1 RS232)
P3	TxD_PLC (COM1 RS232)
P4	Tx+
P5	GND
P6	Rx+(A)
P7	RxD_PC/PLC (COM3 RS232)
P8	TxD_PC/PLC (COM3 RS232)
P9	Tx+

[Panel Cut-Out]  
Unit: mm [in.]



[COM2/COM4 connector]

Pin Connection



Pin No.	Name
P1	A+ (COM2)
P2	B- (COM2)
P3	GND
P4	A+ (COM4)
P5	B- (COM4)
P6	GND

[External Dimensions/Interfaces]  
Unit: mm [in.]

**RTS007**

**RTS010**

1 Serial Interface - COM2/COM4

2 Ethernet Interface

3 USB Slave (Type mini B)

4 USB Host (Type A)

5 Serial Interface - COM1/COM3 (D-sub 9-pin)