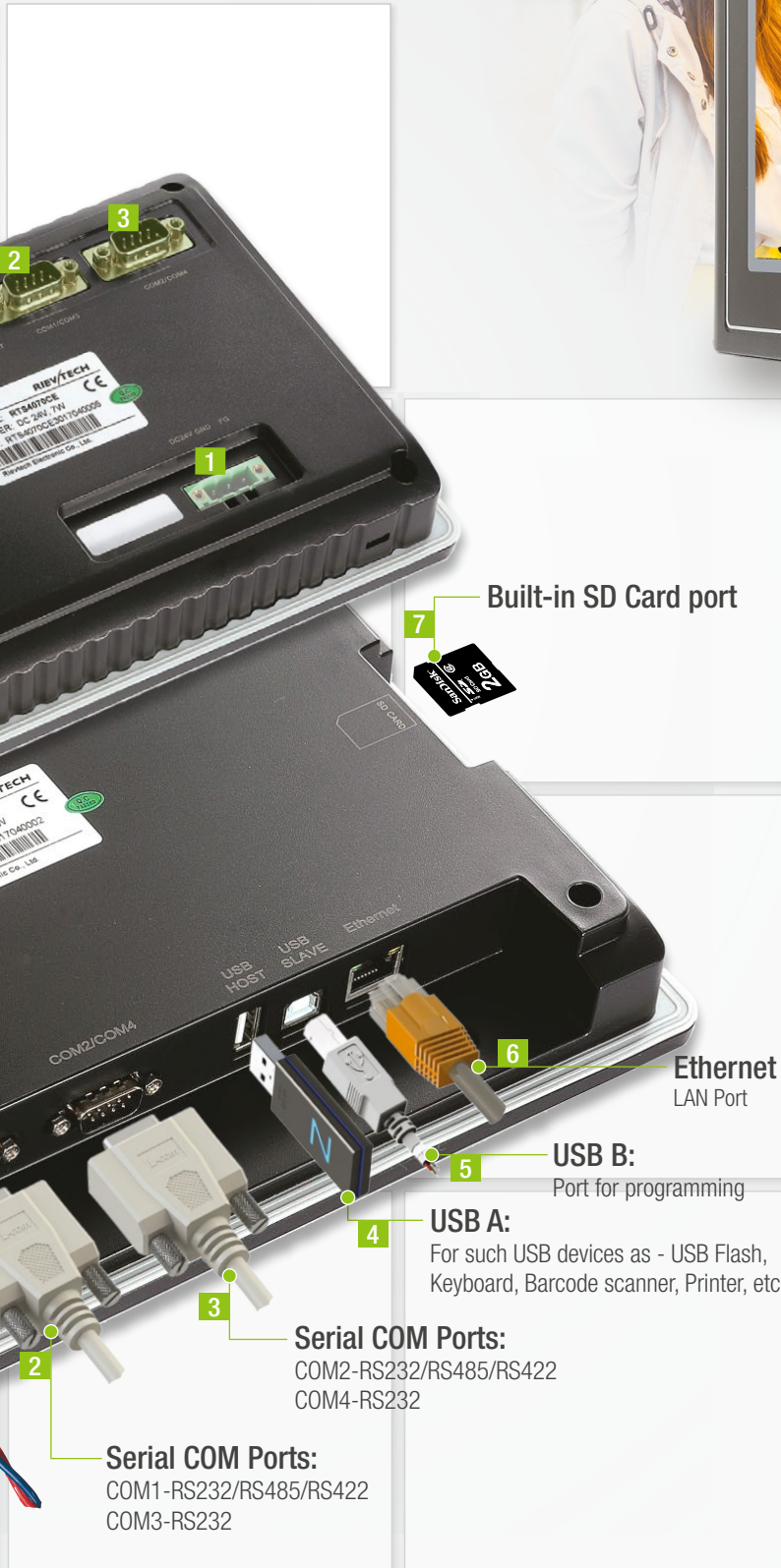


ECONOMIC TOUCH HMI

# RTS4097iE

9,7 inch (24,6 cm)



Built-in SD Card port

Ethernet LAN Port

USB B:  
Port for programming

USB A:  
For such USB devices as - USB Flash, Keyboard, Barcode scanner, Printer, etc.

Serial COM Ports:  
COM2-RS232/RS485/RS422  
COM4-RS232

Serial COM Ports:  
COM1-RS232/RS485/RS422  
COM3-RS232

### Picture Quality

Resolution - **1024 x 768**  
Color - **65 536 (16-Bit)**  
Brightness - **350cd/m2**  
View - **180°**

### Touch Panel

Type - **4-wires Resistive**

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

7"  
9.7"



# RTS 40xxCE/iE Series

Model: RTS4070CE

Model: RTS4097iE

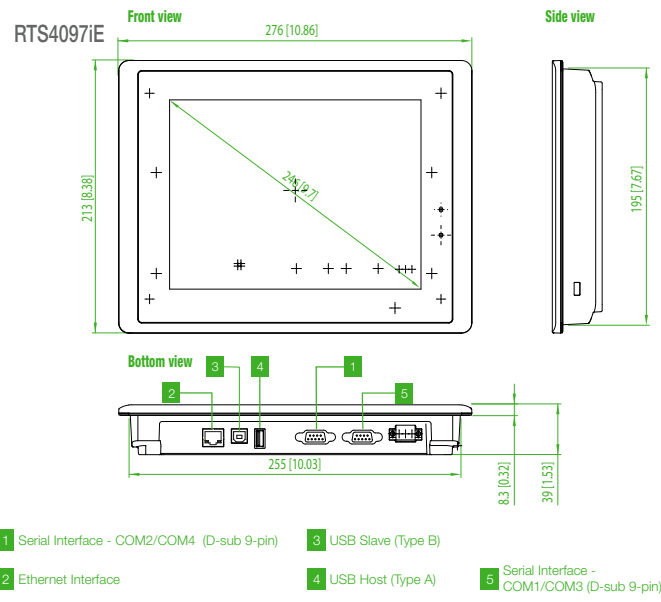
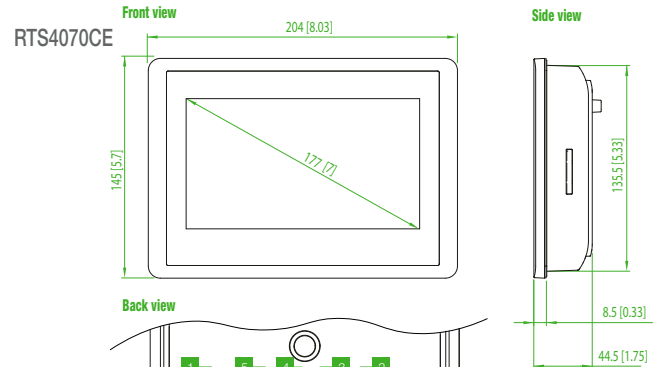
## Specifications

Item	RTS4070CE	RTS4097iE
Display type	TFT color LCD IPS	
Screen size	7 inch (17.7cm)	9,7 inch (24.6cm)
Display Resolution	800x480 pixel (WVGA)	1024x768 pixel (XGA)
Color indication	24-bit Color (16.2M)	16-bit Color (65 536)
Indication degree	160 deg.	180 deg.
Backlight	LED Type	
Backlight duration	50,000 hours	
Brightness	360 cd/m <sup>2</sup>	350 cd/m <sup>2</sup>
Touch panel	4 wires resistive touch screen (Surface hardness 4H)	
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	2 channels - COM3, COM4
RS-485	-	
RS-232/422/485	1 channel, 232/422/485 Combination	
COM Port Isolation	Yes	
Input Power	DC24V, input range DC 9V~28V	DC24V, input range DC 18V~28V
Power Isolation	Yes	
Power Consumption	< 10W	
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	RTS4070CE	RTS4097iE
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	0 °C .. +50 °C	
Storage Temperature	-20 °C .. +60 °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	
PCB Coating	Yes	
Mount	Panel mount	
Panel Cutout	192x 138 mm	259 x 201 mm
External Dimensions	204 x 145 x 44.5 mm	276 x 213 x 39 mm
Weight	Approx. 650g (unit only)	Approx. 1000g (unit only)

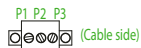
### [External Dimensions/Interfaces]

Unit: mm [in.]



### [Power connector]

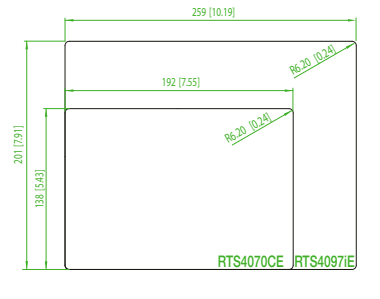
#### Pin Connection



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

### [Panel Cut-Out]

Unit: mm [in.]



### [COM1/COM2/COM3/COM4 connectors]

#### Pin Connection



COM1/COM3	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+	

COM2/COM4	Pin No.	Name
	P1	Rx-(B)
	P2	RxD_PLC (COM2 RS232)
	P3	TxD_PLC (COM2 RS232)
	P4	Tx+
	P5	GND
	P6	Rx+(A)
	P7	RxD_PC/PLC (COM4 RS232)
	P8	TxD_PC/PLC (COM4 RS232)
P9	Tx+	