

Features:

- 7" Touch screen
- · Ethernet / Serial communication
- · User / Password management
- · Recipe management
- · Data logging functionality
- · Update program by USB flash
- · Multiple communication protocols
- In-Built symbol library
- Alarms
- Real time clock

Display specifications

Type 7" TFT Touch screen (65536 colors)

Resolution 800 x 480 pixels

Display size 7" Diagonal

Backlight LED

Brightness 300cd/m²

Span life 30000 hrs

LCD type 4 wire high precision resistance network

Functional specifications

Programming method Windows based software for HMI configuration. A8 600MHz Processor Memory 256M Flash+256M DRAM USB host USB2.0 x 1, Support USB flash disk to update firmware, configure and store data USB slave Type B, program download/upload only COM1:RS485/422 COM2:RS232 COM3:RS485 Serial interface Ethernet RJ45 10M/100M self-adaption. Communicates with PLC & PC, Multiple HMI Online. Default IP is 192.168.1.100 DB9 Male (COM1 and COM2)

Mechanical specifications

Dimensions (W x H x D)mm 200 x 146 x 32 mm

Panel cutout (W x H)mm 192 x 138 mm

Mounting Panel mounting

Weight 750 gms

Ingress protection IP65

Cover material ABS+PC plastics

Electrical specifications

 Power supply voltage
 24V DC (20.4~28.8V DC), 0.3A

 Rated power
 7W

 Permissible power loss
 10 mSec

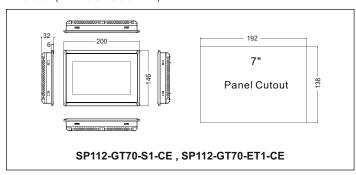
 Insulation resistance
 Over 50 mΩ @ 500V DC

 Withstand voltage performance
 500V AC 1 min

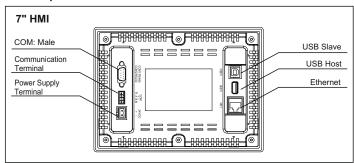
Environmental specifications

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ĺ	Temperature	Operating : 0 to 50°C
		Storage : -20 to 60°C
	Humidity	10 ~ 90%RH (non condensing)
	Seismic performance	10 ~ 25Hz (2G / 30min in x, y, z directions)

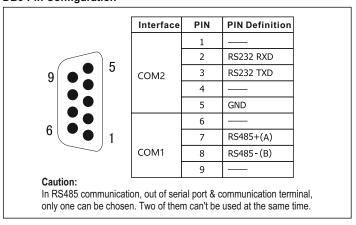
Dimension (All Dimensions are in mm)



External ports



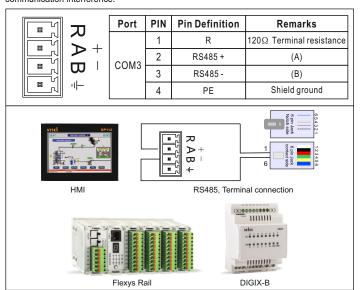
DB9 Pin Configuration



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Terminal

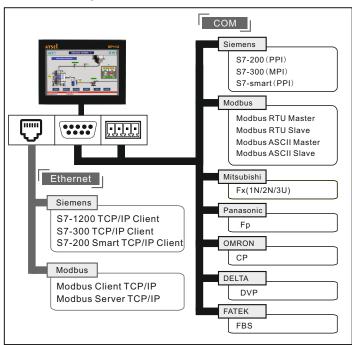
Communication Terminal is a 4 pin removable terminal, which supports RS485 communication. A built-in 120 ohm resistance is used for longer distance communication (more than 300-meters), user can manually short Pin 1 & Pin 2 to suppress communication interference.



Certification

Protection level of front panel	Comply with IP65 certification (4208-93)
CE certificate	According to CE certification (EN61000-6-2:2005
	/EN61000-6-4:2007)

Device interfacing



Ordering information

Product code	Description
SP112-GT70-ET1-CE	7" Touch screen HMI with Ethernet & Serial ports
SP112-GT70-S1-CE	7" Touch screen HMI with Serial ports

Accessories

AC-USB-USB-01-1M (USB type B - Downloading cable)

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