



### Features :

- 4.3" 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

Certification :

### Display specifications

|              |  |
|--------------|--|
| Type         | 4.3" TFT Touch screen (65536 colors)     |
| Resolution   | 480×272 pixels                           |
| Display size | 4.3" Diagonal                            |
| Backlight    | LED                                      |
| Brightness   | 300cd/m <sup>2</sup>                     |
| Span life    | 30000 hrs                                |
| LCD type     | 4 wire high precision resistance network |

### Functional specifications

|                    |   |
|--------------------|---|
| Programming method | Windows based software for HMI configuration.   |
| Processor          | 1GHz Quad code  |
| 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 C, Support power supply & program download/upload  |
| Serial interface   | COM1:RS485/422 COM2:RS232   |
| 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 | 138×102×32 mm   |
| Panel cutout (W x H)mm   | 129 × 93mm      |
| Mounting                 | Panel mounting  |
| Weight                   | 400 gms         |
| Ingress protection       | IP65            |
| Cover material           | ABS+PC plastics |

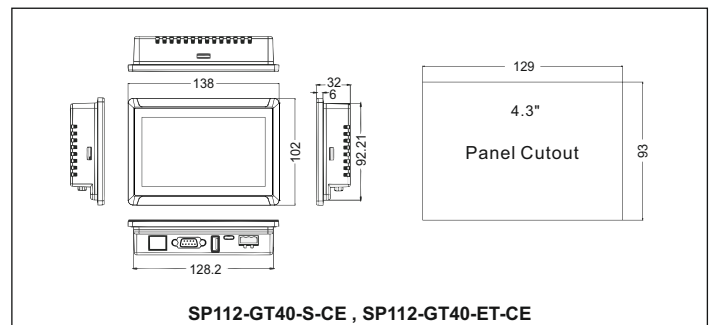
### Electrical specifications

|                               |                              |
|-------------------------------|------------------------------|
| Power supply voltage          | 24V DC (20.4~28.8V DC), 0.3A |
| Rated power                   | 3W                           |
| Permissible power loss        | 10 mSec                      |
| Insulation resistance         | Over 50 mΩ @ 500V DC         |
| Withstand voltage performance | 500V AC 1 min                |

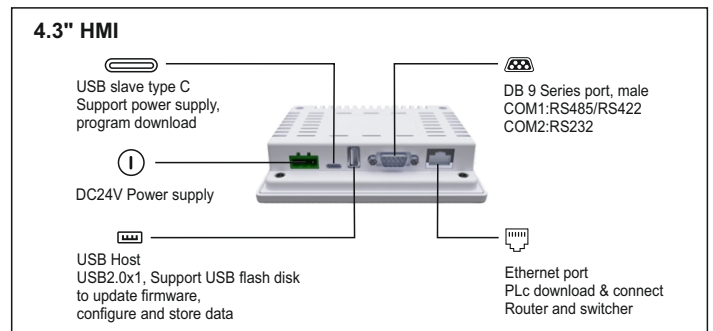
### Environmental specifications

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

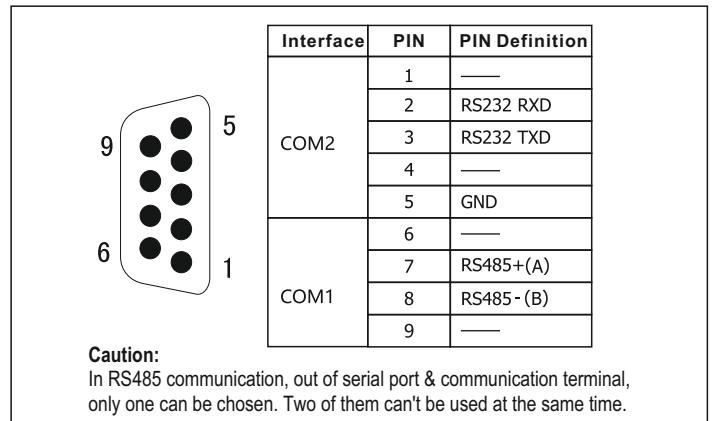
### Dimension (All Dimensions are in mm)



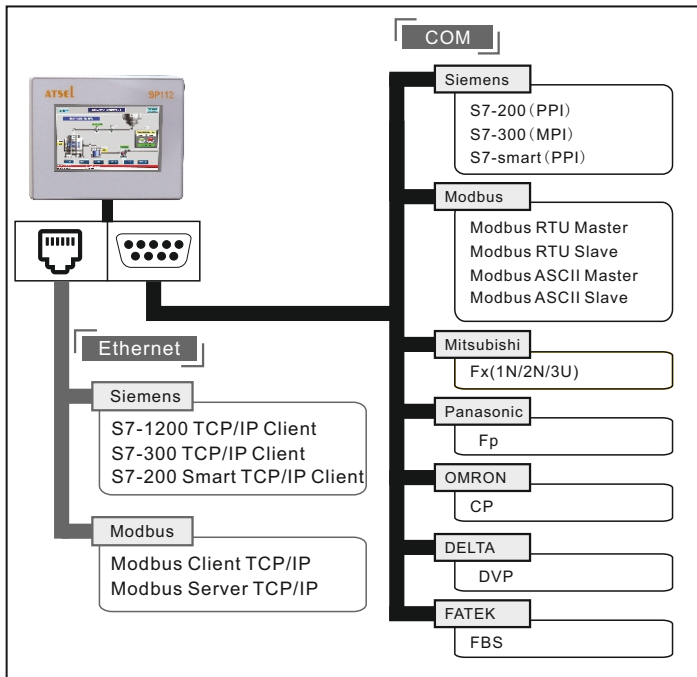
### External ports



### DB9 Pin Configuration



### Device interfacing



### Certification

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

### Ordering information

| Product code     | Description  |
|------------------|--|
| SP112-GT40-ET-CE | 4.3" Touch screen HMI with Ethernet & Serial ports |
| SP112-GT40-S-CE  | 4.3" Touch screen HMI with Serial ports            |

### Accessories

AC-USB-USB-02-1M (USB type C - Downloading cable)