ATSEL HMI (Human Machine Interface)



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 : CE RoHS compliant

Display specifications

Type	4.3" TFT Touch screen (65536 colors)
Resolution	480×272 pixels
Display size	4.3" Diagonal
Backlight	LED
Brightness	300cd/m^2
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

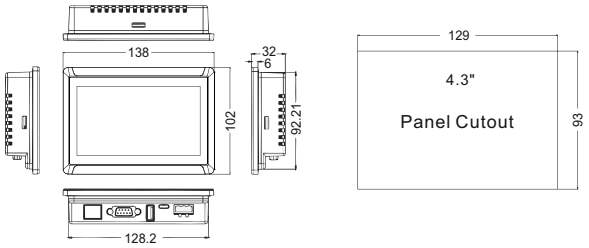
Electrical specifications

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

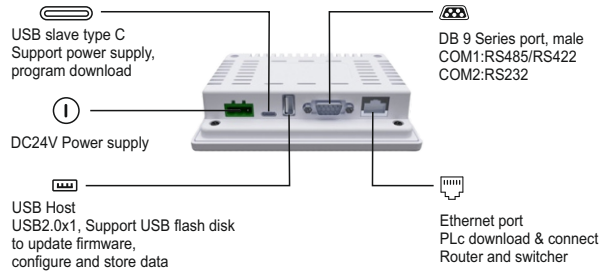
Dimension (All Dimensions are in mm)



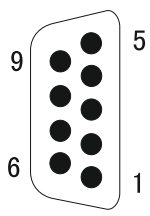
SP112-GT40-S-CE , SP112-GT40-ET-CE

External ports

4.3" HMI



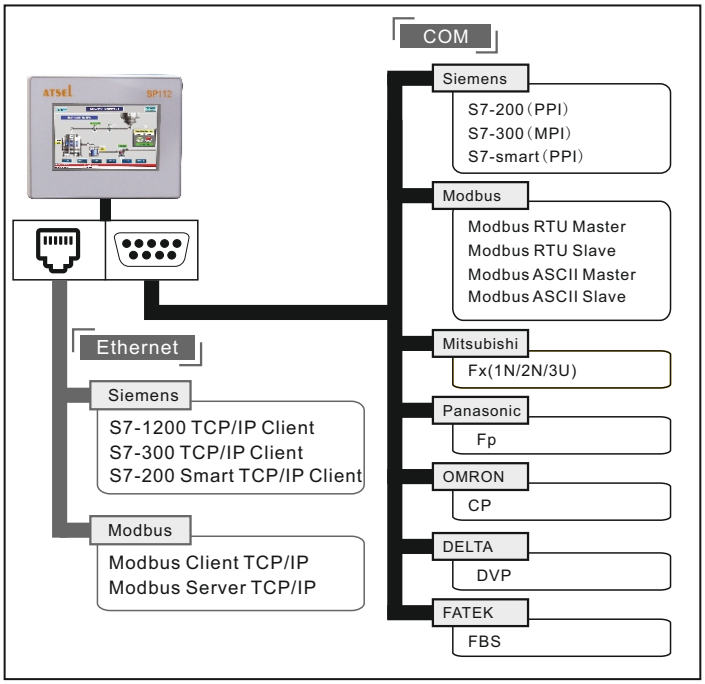
DB9 Pin Configuration



Interface	PIN	PIN Definition
COM2	1	——
	2	RS232 RXD
	3	RS232 TXD
	4	——
	5	GND
COM1	6	——
	7	RS485+(A)
	8	RS485-(B)
	9	——

Caution:
In RS485 communication, out of serial port & communication terminal, only one can be chosen. Two of them can't be used at the same time.

Device interfacing



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)

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)