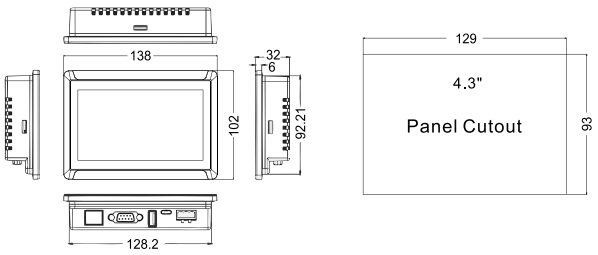
ATSEL HMI (Human Machine Interface)

Temperature	Storage : -20 ~ 60° C	Storage : -20 ~ 70°C
Humidity	10 ~ 90% RH (Non-condensing)	
Seismic performance	10 ~ 25Hz (2G / 30min in x, y, z directions)	
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)	

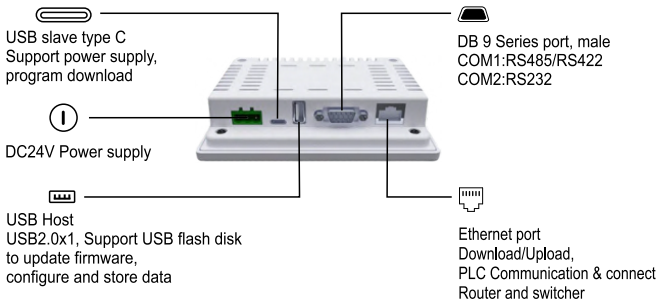
Dimensions & External ports (All dimensions are in mm)

Panel cutout **4.3" HMI**



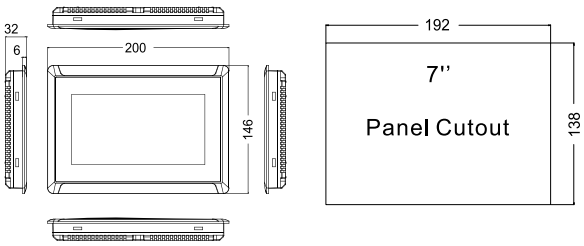
SP112-GT40-S1-CE , SP112-GT40-ET1-CE

4.3" HMI



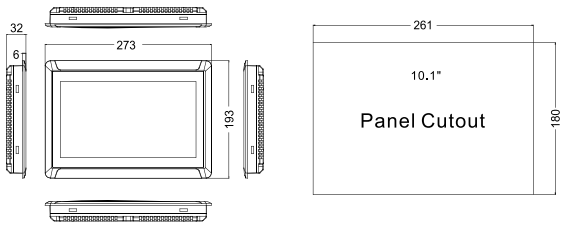
SP112-GT40-S1-CE , SP112-GT40-ET1-CE

Panel cutout **7" HMI**



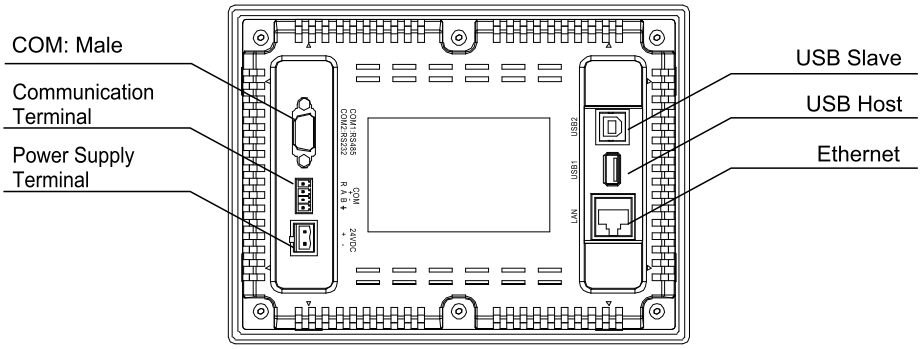
SP112-GT70-S1-CE , SP112-GT70-ET1-CE

Panel cutout **10" HMI**



SP112-GT100-ET1-CE

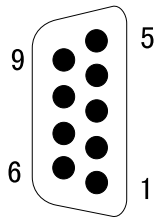
7" HMI **10" HMI**



SP112-GT70-S1-CE , SP112-GT70-ET1-CE
SP112-GT100-ET-CE

Configuration

DB9 Pin

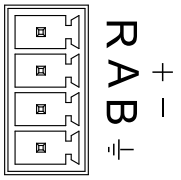


Interface	PIN	PIN Definition
COM2	1	——
	2	RS232 RXD
	3	RS232 TXD
	4	——
	5	GND
COM1	6	——
	7	RS485+(A)
	8	RS485-(B)
	9	——

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.

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.



Port	PIN	Pin Definition	Remarks
COM3	1	R	120Ω Terminal resistance
	2	RS485 +	(A)
	3	RS485 -	(B)
	4	PE	Shield ground

Ordering information

SP112-GT40-S1-CE	4.3" Touch screen HMI with serial ports
SP112-GT40-ET1-CE	4.3" Touch screen HMI with ethernet & serial ports
SP112-GT70-S1-CE	7" Touch screen HMI with serial ports
SP112-GT70-ET1-CE	7" Touch screen HMI with ethernet & serial ports
SP112-GT100-ET1-CE	10" Touch screen HMI with ethernet & serial ports

Accessories
AC-USB-USB-02-1M (USB Type C - Downloading cable)
AC-USB-USB-01-1M (USB Type B - Downloading cable)