7" wide screen, TFT Color LCD type Graphic touch panel GP-S057

▣Features

NEW

7" TFT Color LCD

- **Adopts 7 inch wide TFT LCD for realizing True Color with 16,777,216 colors**
- **Analog touch method**
  : Free tag arrangement than matrix touch method
- Data logger function
  : Supports data gathering and backup of controller
- Supports variable image library
- Enables to monitor multi station and multi channel at the same time
- **Supports several interface**
  : Supports USB Host/Device to high speed download and manage files
  : Easy to connect various external devices with RS232C 2ports and RS232C/RS422 multi communication port
- Supports several fonts: Supports window true type and several bitmap fonts (Selectable)
- Device monitoring function
  : Enables to monitor/control variable of connected control through communication port
- Easy S/W upgrade at website
  (1) GP firmware file
  (2) GP Editor (Drawing program)
  (3) Additional protocol
  (4) Language and font, etc
- Connects printer/barcode reader: Enables to print out alarm history, to read barcode

Please read "Caution for your safety" in operation manual before using.

▣Manual

Visit our webwite(www.autonics.com) to download 'GP Editor user manual' or 'GP, LP user manual for communication', 'GP-S070 user manual.

- **GP Editor user manual**
  It describes how to write screen data, and is about related usage of GP-S070 HMI function.
- **GP, LP user manual for communication**
  It describes connection for external devices such as PLC.
- **GP-S070 user manual**
  It describes general information on the installation and usage of GP-S070 and system contents.

▣Ordering information

GP - S 070 - T 9 D 6

Interface	6: RS232C, RS422, USB HOST USB DEVICE, Ethernet 7: RS232C (2), USB HOST USB DEVICE, Ethernet
Power supply	D: 24VDC
Color	9: 16,777,216 color
Display unit	T: TFT Color LCD
Monitor size	070: 7inch
Series	S: S series
Itme	GP: Graphic panel

▣Specifications

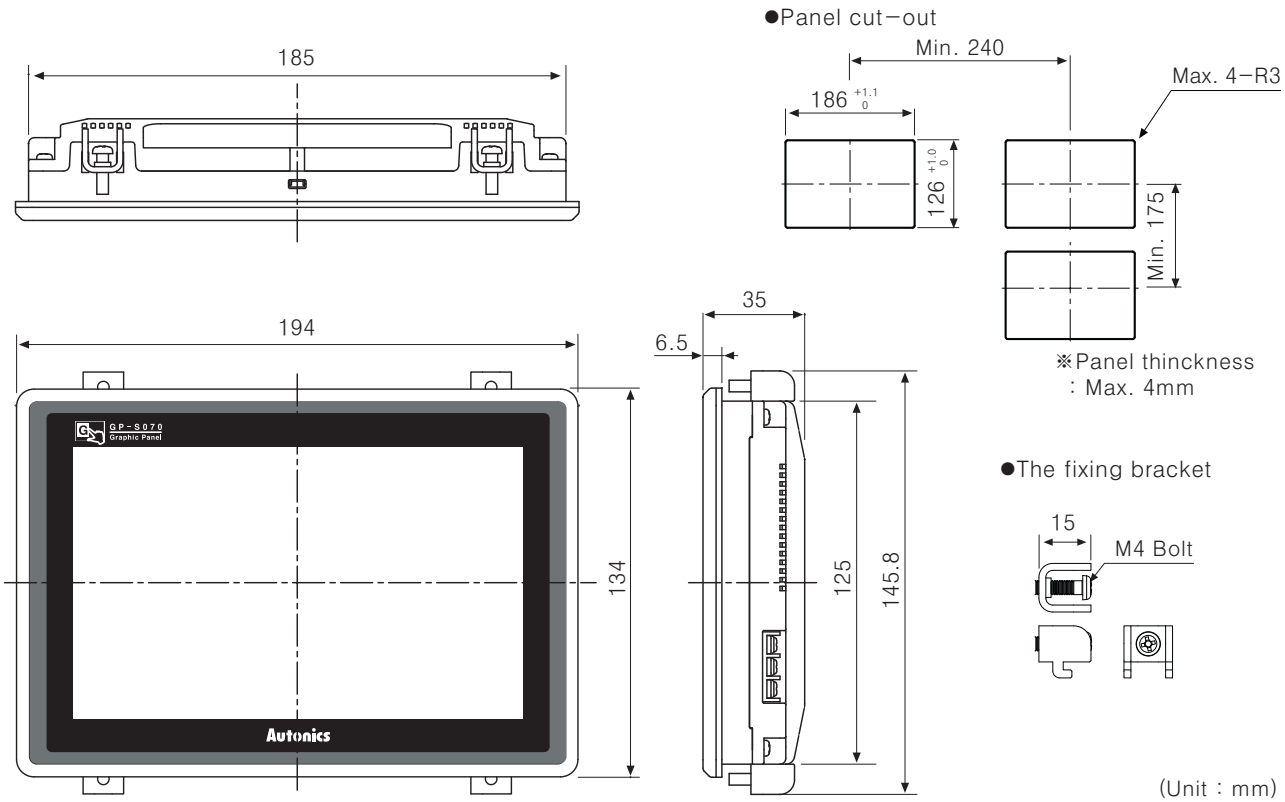
Model		GP-S070-T9D6	GP-S070-T9D7
Power supply		24VDC	
Allowable voltage range		90 to 110% of power supply	
Power consumption		Max. 7.2W	
Display performance	LCD type	7inch TFT Color LCD	
	Resolution	800×480 dots	
	Display area	152.4mm×94.44mm	
	Color	16,777,216 color	
	LCD view angle	Within each 50°/ 60°/ 65°/ 65° of top/bottom/left/right	
	Backlight	White LED	
	Brightness	Adjustable by software	
Graphic drawing performance	Language	English, Korean(※1)	
	Text	• Vector font • 6×8, 8×8 ASCII character, High quality view of numbers • 8×16 ASCII characters, 16×16 regional characters(1 to 8 times bigger for width, 0.5 to 5 times bigger for height)	
	Graphic drawing memory	512 KB	
	Number of user screen	500 pages	
	Touch switch	Width 16×Height 12 = 192	
Serial interface		Each port of RS232C, RS422(asynchronous method)	Two ports of RS232C
USB interface		Each of USB HOST, USB Device(Version 1.1)	
Ethernet interface		IEEE802.3(U), 10/100Base-T	
Real-time controller		RTC embedded	
Battery life cycle		3 years at 25℃	
Insulated resistance		Min. 100MΩ(at 500VDC megger)	
Ground		3rd grounding(Max. 100Ω)	
Noise immunity		The squre wave noise(Pulse width 1㎲) by the noise simulator with ±500V R/S phase and repetition frequency 60Hz	
Withstanding voltage		500VAC 50/60Hz for a minute	
Vibration	Mechnical	0.75mm amplitude at frequency of 10 to 55Hz(for 1 min.) in each of X, Y, Z directions for an hour	
	Malfunction	0.5mm amplitude at frequency of 10 to 55Hz(for 1 min.) in each of X, Y, Z directions for an 10minute	
Shock	Mechanical	300m/s² (30G) X,Y,Z directions for 3 times	
	Malfunction	100m/s² (10G) X,Y,Z directions for 3 times	
Ambient temperature		0 to 50℃, Storage: -20 to 60℃(at non-freezing status)	
Ambient humidity		35 to 85% RH, Storage: 35 to 85%RH(at non-freezing status)	
Protection		IP65F for front panel	
Accessory		Fixing bracket: 4pcs, Battery(included)	
Approval		CE KC	
Unit weight		Approx. 520g	

(※1) Language can be customized.

▣Functional description

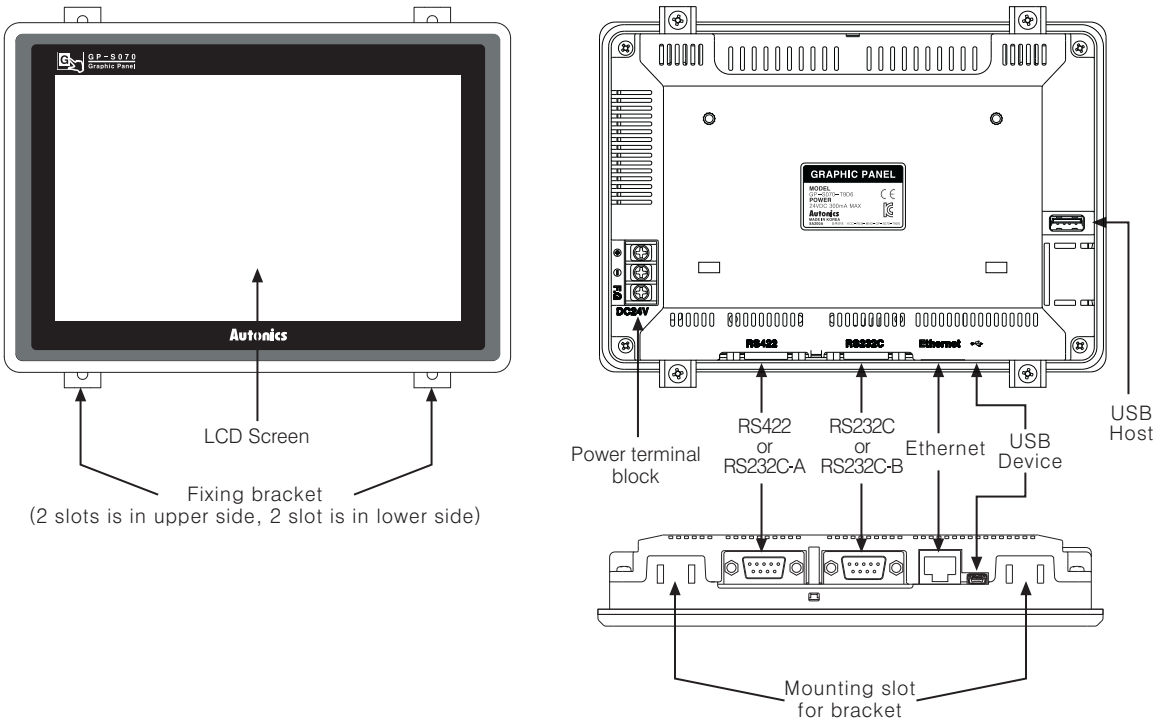
Figure display		Line, rectangle, circle, text, bitmap
Tags	Numeral display	Display the designated device as numerical value. (Decimal, hexadecimal, octal, binary, real number)
	ASCII display	Display the designated device value as ASCII character.
	Time display	Display current time or date.
	Alarm history	Register alarm history.
	Alarm list	Display generated (not backed up) alarm.
	Comment display	Display the designated comment as device status or value.
	Lamp	Display lamp as device status.
	Part display	Display the designated parts as device status and value.
	Line graph	Display several device values with a graph of broken line.
	Trend graph	Display change of device value for time with a graph of broken line.
	Bar graph	Display a device value with a bar graph.
	Statistic graph	Display a ratio of several device values with pie graph.
	Panel meter	Display a device value as panel meter.
	Touch key	Screen is switched, word/bit device values are set when it touched.
	Numeral input	Configure user input value in device.
	ASCII input	Configure user input ASCII code value in device.
System information function		Monitor/control GP operation from PLC.
Recipe function		Read/Write several PLC device collectively.
Security function		Only acceptable user can observe/operate important data.
Barcode read function		Connect barcode reader, read barcode.
Floating alarm function		Warning message is floated when alarm is generated.
Time operation		Specific bit device is ON/OFF for designated day and time.
Overlap window		Available to form dynamically overlapping another base screen on the base one.
Observe status function		Change PLC device status/value of PLC when trigger is generated.

▣Dimensions



(Unit : mm)

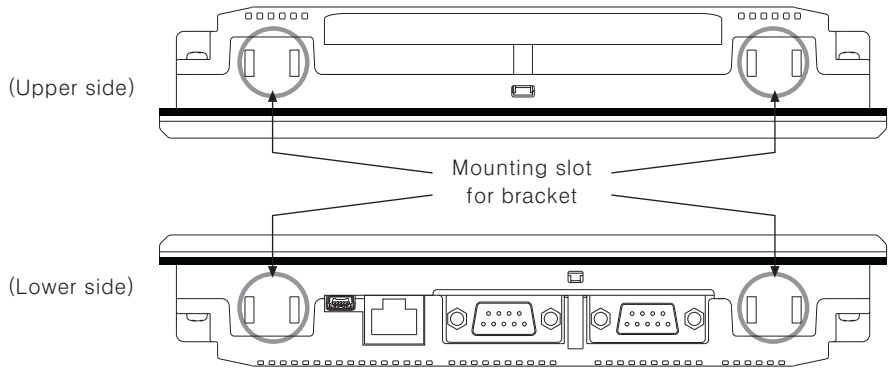
▣Part description



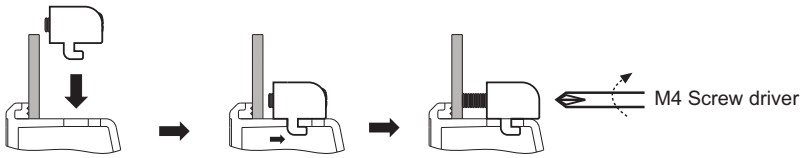
●Ethernet Port: For connecting LAN cable and hub, use direct cable, and for connecting PC directly, use cross cable.
●USB Device: It is used to upload and download project (it is required to install USB driver on PC), and when connect to PC, it can be used as a USB memory (PC recognizes it as a removable disk).
●USB Host: It is used to manage data and upgrade firmware.
●RS232C, RS422 ports: Refer to '**Serial Interface** of ▣**GP/LP common feature**'.

▣Installation

1. Set GP-S070 in panel.
2. Set fixing brackets in 4 slots(2 slots is in upper side, 2 slots is in lower side).



3. Tighten fixing bracket with M4 Screw driver and tightening torque is 0.3 to 0.5N•m.



▣Sold separately

Transmission cables connectable into external devies such as PLC are sold separately.