

**Programmable Operator Interface**

# MONITOUCH

**Consolidating Essential Functionality while Enhancing Operability and Visibility**

## TECHNOSHOT TS1000 Smart series

- WVGA
- 64K Colors
- TFT
- LED Backlight
- 3ch Serial
- Master/Slave USB
- Ethernet (i type only)

- Supports remote operation via VNC server
- CE/KC/UL/cUL compliant
- FROM capacity significantly expanded by 2.2 times\* (26 MB)  
\*Compared with TS1000 series



### Specifications

Item		TS1070S	TS1070Si	TS1100Si
Main unit specifications	Screen size	7.0" widescreen		10.2" widescreen
	Display device	TFT color		
	Resolution	800 × 480 dots		
	Colors	65,536 colors		
	Backlight	LED		
	Touch screen	Analog resistive		
	Certifications	CE/KC/UL/cUL		
User memory	FROM	26 MB		
	SRAM	128 KB		
External interface specifications	COM1 D-Sub 9 pin (female)	RS-422/RS-485 (4-wire/2-wire) Data length: 7, 8 bits Parity: Even, odd, none Stop bit: 1, 2 bits Baud rate: 4800, 9600, 19200, 38400, 57600, 76800, 115200, 187500*1bps		
	COM2/COM3 D-Sub 9 pin (male)	COM2: RS-232C COM3: RS-422/RS-485 (2-wire) Data length: 7, 8 bits Parity: Even, odd, none Stop bit: 1, 2 bits Baud rate: 4800, 9600, 19200, 38400, 57600, 76800, 115200 bps		
	LAN RJ-45	–	1 ch	
	USB-A	1 ch		
	USB mini-B	1 ch		
Power supply	Permissible range of voltage	24 V DC ±10%		
	Power consumption (max. rating)	11W or less		12W or less
Physical environment	Ambient temperature	0 to 50°C*2		
	Ambient humidity	85% RH or lower (non-condensing)*2		
	Contamination level	2		
	Operation altitude	2,000 m or less		
	Atmosphere	Not to be exposed to corrosive gas, or conductive dust		
	Storage ambient temperature	-10 to 60°C*2		
	Storage ambient humidity	85% RH or lower (non-condensing)*2		
Installation conditions	Protective structure	IP65 equivalent (when using waterproof gasket*3), IP40 equivalent (when not using waterproof gasket*3)		
	Panel front	IP20 equivalent		
	Panel rear			
	Dimensions W × H × D	198.8 × 141.8 × 38.0 mm		266.8 × 206.8 × 38.0 mm
Panel cutout	189.0 × 134.0 (+0.5/-0) mm		257.0 × 199.0 (+0.5/-0) mm	
Case color		Black		

\*1 187500 bps is only relevant to Siemens AG MPI/PPI communications.  
 \*2 Use at a wet-bulb temperature of 39°C or lower to avoid any damage.  
 \*3 This is an optional item.



Model

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Display size

07: 7.0" widescreen

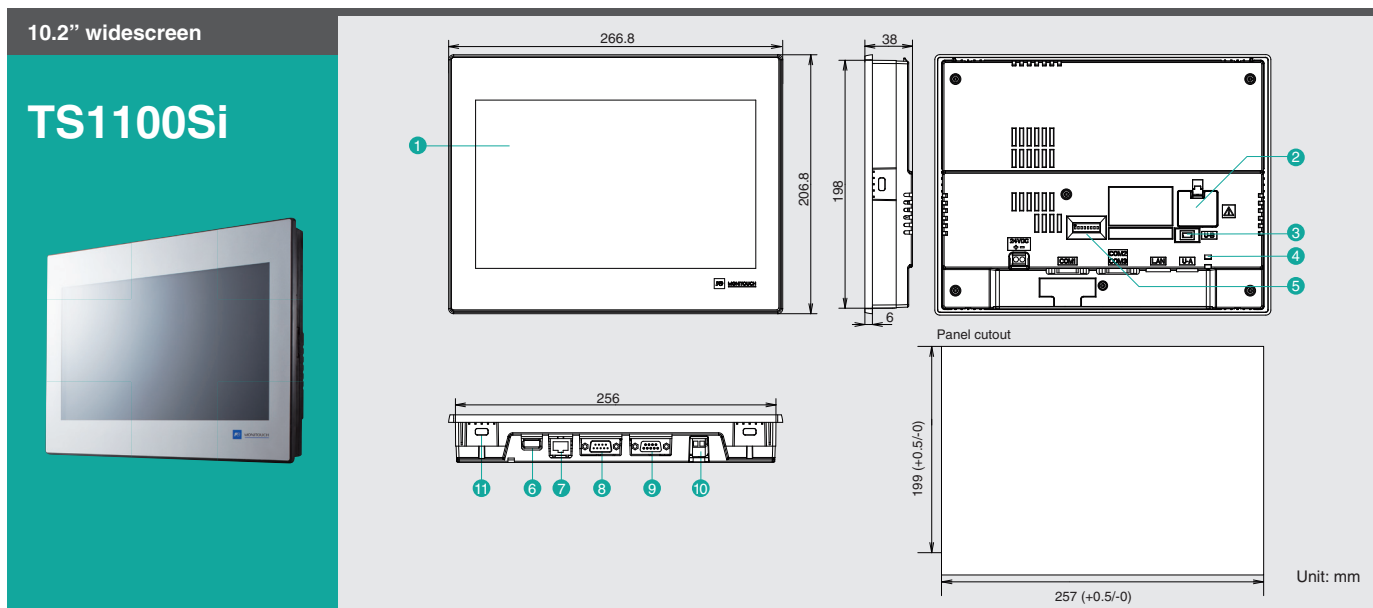
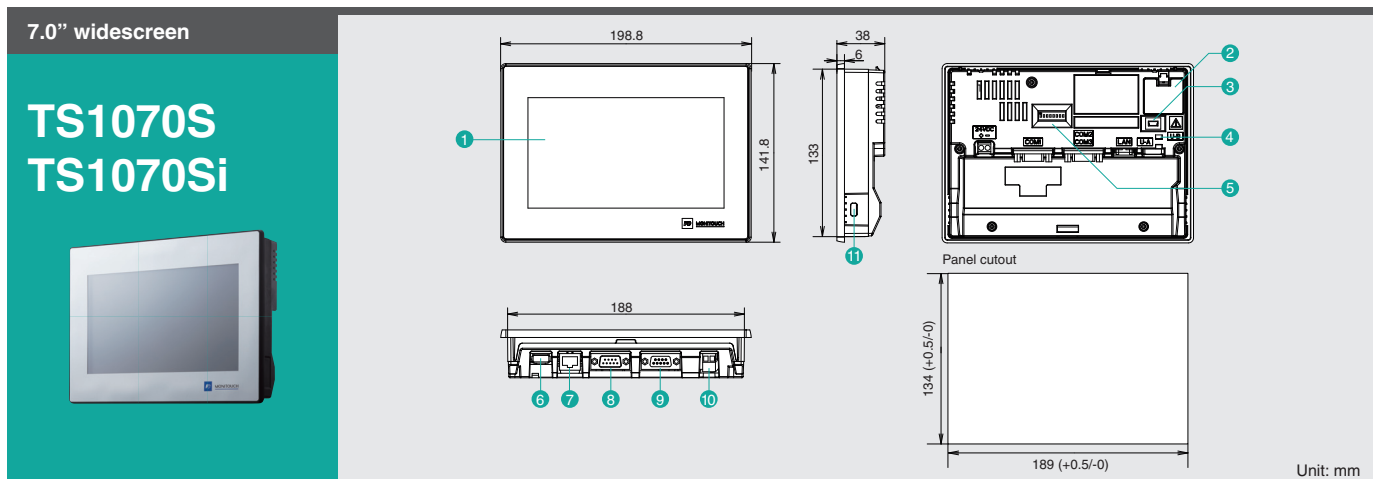
10: 10.2" widescreen

Interface

i: Built-in LAN

None: No built-in LAN

## Dimensions and Part Names



### Part Names

- |                       |   |   |
|-----------------------|---|---|
| ① Display             | ⑤ Dip switch  | ⑧ RS-232C/RS-422/RS-485 connector (COM2/COM3) |
| ② Battery compartment | ⑥ USB-A (U-A)   | ⑨ RS-422/RS-485 connector (COM1)              |
| ③ USB mini-B (U-B)    | ⑦ Ethernet port 100BASE-TX/10BASE-T (LAN)<br><small>*TS1070Si/TS1100Si only</small> | ⑩ Power input terminal block                  |
| ④ USB cable retention |   | ⑪ Mounting point                              |

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