

Product information

Programmable Display V9120iS Series

Read online: <http://monitouch.fujielectric.com/site/v9-e/v9120is-01.html>

V9120iS series



V9120iS



V9120iSD



V9120iSB



V9120iSBD



- **Product specifications**
- **Interface / Dimensions and Part Names**
- **System Configuration**
- **Model**

Dimensions and Part Names

		V9120iS
Power supply	Rated voltage	100-240V AC/ 24V DC
	Permissible range of voltage	AC: -15%, +10%/ DC: ±10%
	Permissible momentary power failure	AC within 20ms, DC within 1ms
	Demand (maximum rating)	AC: 70VA or less/ DC: 28W or less

		V9120iS
Insulation resistance		DC500V 10MΩ or more
Physical environment	Ambient temperature	0~50°C *1
	Ambient humidity	85%RH or less (without dew condensation) *1
	Operation altitude	2,000 meters or lower
	Atmosphere	Not to be exposed to corrosive gas, or conductive dust
	Storage temperature	-10~60°C *1
	Storage humidity	85%RH or less (without dew condensation) *1
	Overtoltage category	Category II
	Contamination level	Level 2
Mechanical operating conditions	Resistance to oscillation	Complies with JIS B 3502 (IEC61131-2) Vibration frequency: 5-9Hz, pulsating with:3.5mm, 9-150Hz, Acceleration: 9.8m/s ² (1G),X,Y,Z: 3 directions (10 times each)
	Resistance to shock	Complies with JIS B 3502 (IEC61131-2) Peak acceleration: 147m/s ² (15G), X,Y,Z: 3 directions, three times each (18 times in total)
Electric operating conditions	Resistance to noise	Noise voltage: 1,500Vp-p, pulse width: 1μs, pulse rise time: 1ns
	Resistance to static discharge	Complies with IEC61000-4-2, contact: 6kV, air: 8kV
Installation conditions	Grounding	Grounding resistance: Less than 100Ω, FG/SG separation
	Structure	Front panel: Complies with IP66, Type 4X/13 (when waterproof gasket is installed)*2 Rear cover: Complies with IP20 Form: Single unit, Installation method: Panel mounting
	Cooling system	Natural air cooling
	Dimensions W*H*D(mm)	327.8x261.0x54.9
	Panel cutout (mm)	313.0x246.2 (+0.5/-0)
Case color		Light gray (black front housing for black model)
Material		PC

- *1: Keep wet bulb temperature under 39°C to avoid malfunction.
- *2: DC type only. Hardware version b and later.

Performance Specifications

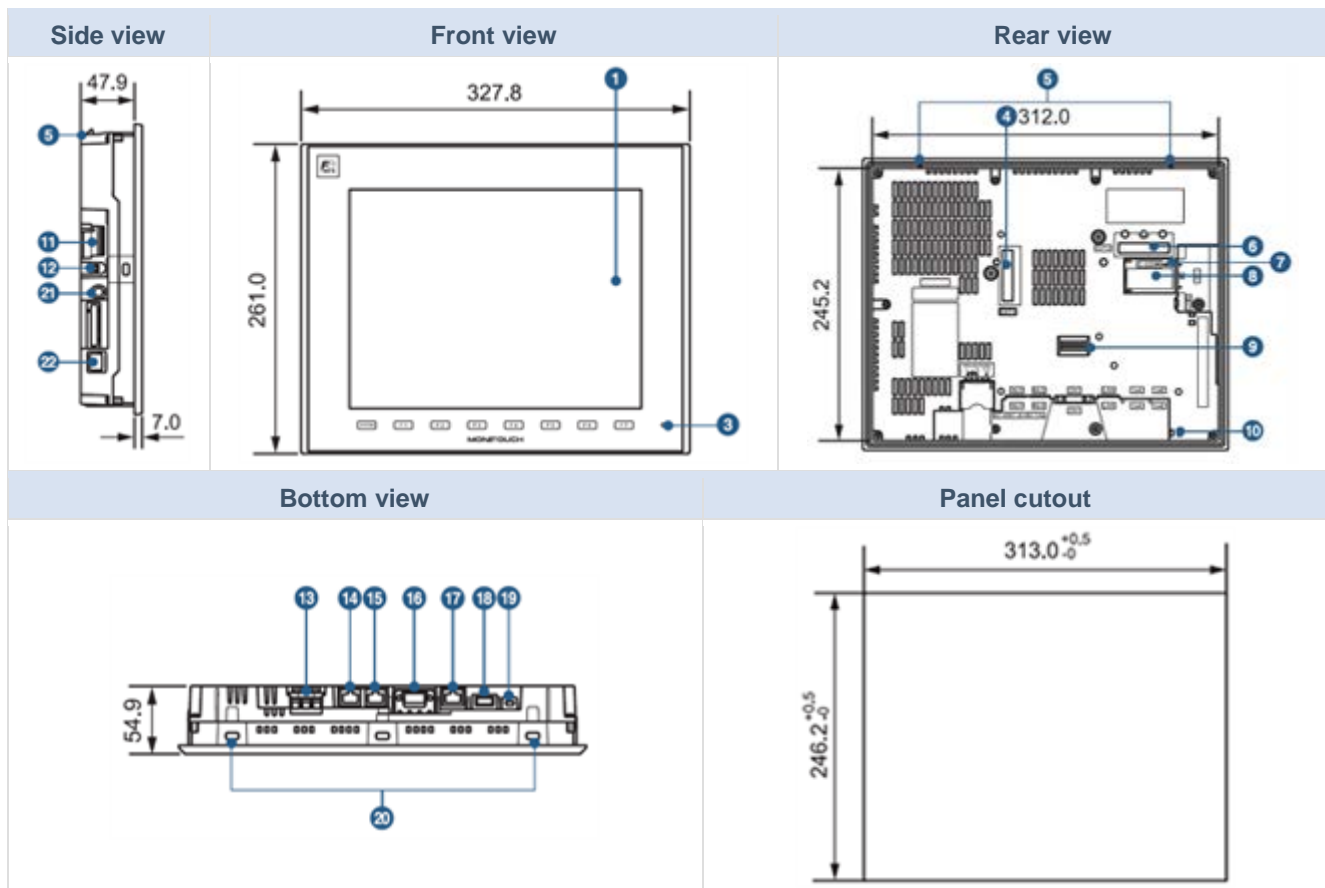
Screen memory (FROM)		64MB
Backup memory (SRAM)		800KB
Display	Display device	TFT color LCD
	Resolution	800×600
	Display size	12.1"
	Colors	16.7 million *3
	Backlight	LED
	Backlight life	70,000 hours
Touch switch	Type	Analog resistance film
Function switch	Quantity	8
External interface	D-Sub 9-pin (CN1)	RS-232C/ RS-485(2-wire system)/ RS-422(4-wire system), Asynchronous type, Data length: 7,8 bits, Parity: even, odd, none, Stop bit: 1, 2 bits, Baud rate: 4800, 9600, 19200, 38400, 57600, 76800, 115200, 187500*4bps
	Modular 8-pin (MJ1/MJ2)	RS-232C/ RS-485(2-wire system), Asynchronous type, Data length: 7,8 bits, Parity: even, odd, none, Stop bit: 1, 2 bits, Baud rate: 4800, 9600, 19200, 38400, 57600, 76800, 115200 bps
	SD card	One card slot provided as standard
	Ethernet	1ch, Baud rate: 100Mbps, 10Mbps
	Wireless LAN	-
	USB	Type A, Type mini-B(Ver.2.0)
	Sound output	1ch provided as standard
Clock	Backup period	5 years (Ambient temperature 25°C)
	Calendar accuracy	Gap ±90 sec. per month (Ambient temperature 25°C, when power is not supplied)
Standard	CE marking *5	EN61000-6-2,EN61000-6-4,EN50581
	UL·cUL *5	UL508,ANSI/ISA 12.12.01*2
	KC	Compliant *6
	Radio Act	-

- *3: For the display of pictures, 3D parts and videos only. Other parts are displayed in 65,536 colors.

- *4: Available only when connected with SIEMENS MPI/PPI.
- *5: DC type only.
- *6: Black model not certified.

Dimensions and Part Names

(Unit: mm)

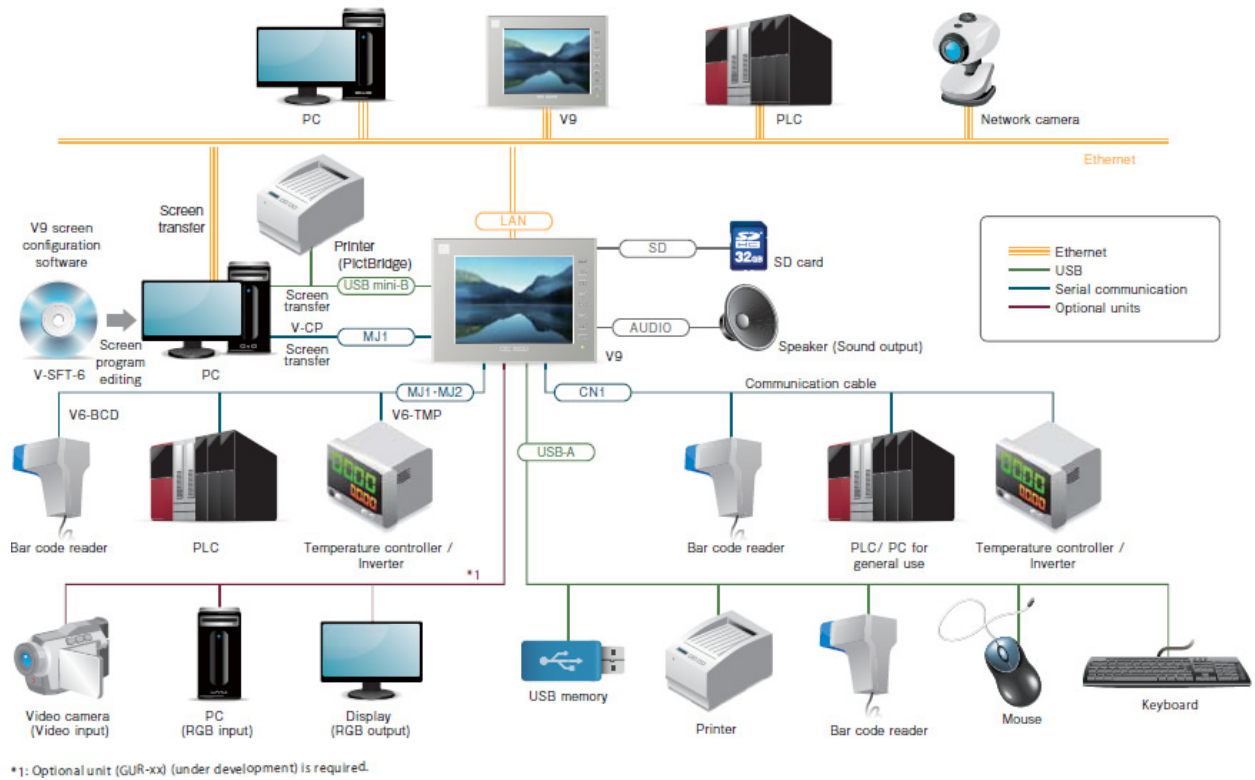


Part Names

1. **1** Display
2. **2** Function switch
3. **3** Power lamp
4. **4** Communication unit connector (EXT1)
5. **5** Fall prevention hook
6. **6** Optional unit connector (EXT2)
7. **7** SD card access LED
8. **8** Battery holder
9. **9** DIP switch
10. **10** USB cable holding hole
11. **11** SD card connector
12. **12** Sound output connector (AUDIO)
13. **13** Power input terminal block

- 14. 14 Modular jack 1 (MJ1)
- 15. 15 Modular jack 2 (MJ2)
- 16. 16 PLC connector (CN1)
- 17. 17 100BASE-TX/10BASE-T port (LAN)
- 18. 18 USB-A (U-A)
- 19. 19 USB mini-B (U-B)
- 20. 20 Screw hole

System Configuration



Models

