Programmable Operator Interface

MONITOUCH

The new standard for high speed HMI

NEW

STANDARD MODEL
V10 Series

SYSTEM F1 F2 F3 F4 F5 F6 F7
Fe MONITOUCH

XGA SVGA	16.7M Colors	Serial 3ch	LAN 1ch	SD I/F	USB A/mini B	Audio	COM I/F Option	VIDEO Option	RGB Option

👑 Industry-leading performance

In addition to benchmarking HMIs from all over the world, we thoroughly analyzed how they were used in the field, and achieved industry-leading performance in six aspects (rendering, operation, startup, communication, transfer and custom code).

Rendering	✓ **Three-times faster screen switching and item refreshing**	Operation	✓ **Industry best input response time**
Startup	✓ **One-third the startup time**	Communication	✓ **Industry best communication speed/ efficiency with external devices**
Transferring	✓ **Drastically reduced transfer time** *1	Custom Code	✓ **High speed macro processing** *2

*1 Comparison with V9 series displays using our sample screen programs (according to our own research)
*2 Comparison with currently available products of the world's major HMI manufacturers using our sample screen programs (according to our own research)

Why the V10 series?

High-speed processing of quad-core CPU
Allows for stable operation and communication performance even on high-load screens!

Advanced storage device (eMMC)
Reduced startup/transfer time and man-hours!

Panel cutout size and functions:
Fully compatible with existing V series!

Lineup

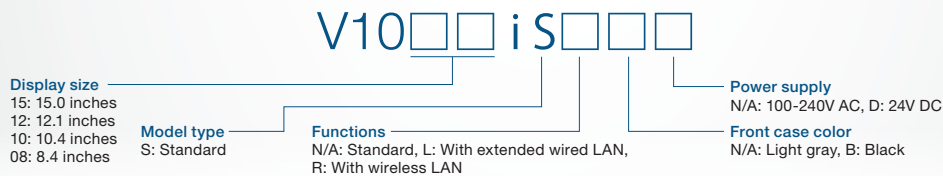Screen assets created for previous model can be converted for use in the V10 series as is.

XGA	SVGA	SVGA	SVGA
15.0 inches	12.1 inches	10.4 inches	8.4 inches

	Item	V1015iS	V1012iS	V1010iS	V1008iS
Display	Display Size	15.0 inches	12.1 inches	10.4 inches	8.4 inches
	Display Device	TFT color			
	Resolution	1024×768	800×600		
	Display Colors	16.77 million colors *1			
	Backlight	LED			
	Touch Switch	Analog resistance film			
	Standard	AC products: KC DC products: CE/UKCA/KC/UL/cUL/ Radio Act *2			
User Memory	FROM	256MB			
	SRAM	900KB			
External Interface	D-Sub 9-pin (CN1)	RS-232C/RS-422/RS-485 Asynchronous, Data length: 7, 8 bits Parity: Even, odd, none Stop bit: 1, 2 bits Baud rate: 4800, 9600, 19200, 38400. 57600, 76800, 115200, 187500 *3 bps			
	Modular 8-pin (MJ1/MJ2)	RS-232C/RS-422/RS-485 (two-wire system) Asynchronous, Data length: 7, 8 bits Parity: Even, odd, none Stop bit: 1, 2 bits Baud rate: 4800, 9600, 19200, 38400, 57600, 76800, 115,200 bps			
	Ethernet	1ch *4 IEEE802.3 (10BASE-T)/IEEE802.3u (100BASE-TX) /IEEE802.3ab (1000BASE-T) Compatible with Auto-MDIX			
	Wireless LAN *2	Complies with IEEE802.11 b/g/n (2.4GHz band)			
	SD Card	Compatible with 1ch SD/SDHC/SDXC cards (Max. 2TB), class10, UHS-I			
	USB	Type A (Ver.3.0), 1ch, Type mini-B (Ver.2.0), 1ch			
	Sound Output	1ch			
Power Supply	Permissible Range of Voltage	100-240V AC -15%, +10% 24V DC ±10%			24V DC ±10%
	Power Consumption (Max. Rating)	76VA AC or less 38W DC or less	53VA AC or less 25W DC or less	60 VA AC or less 27 W DC or less	25W or less
Physical Environment	Ambient Temperature *5	0~40°C	0~50°C		
	Ambient Humidity *5	85%RH or less (without dew condensation and max. wet-bulb temperature 39°C or less)			
	Operating Altitude	2,000m or less			
	Operating Atmosphere	No exposure to corrosive gas or conductive dust			
	Storage Temperature *5	-10~50°C	-10~60°C		
	Storage Humidity *5	85%RH or less (without dew condensation and max wet-bulb temperature 39°C or less)			
	Contamination Level	2			
Installation Conditions	Grounding	Grounding resistance: Less than 100Ω FG/SG separation			
	Structure	Protection structure: Front case: IP66, Type 4X/13 *6 (when water-proof gasket is used), Rear case: IP20 Installation method: panel mounting			
	Cooling System	Natural air cooling			
	Dimensions W×H×D (mm)	382.8×312.8×79.2	327.8×261.0×53.4	303.8×231.0×53.8	235.0×180.0×48.7
	Panel Cutout (mm)	369.4(+0.5/-0)× 299.4(+0.5/-0)	313.0(+0.5/-0)× 246.2(+0.5/-0)	289.0(+0.5/-0)× 216.2(+0.5/-0)	220.5(+0.5/-0)× 165.5(+0.5/-0)
	Weight (display only)	Approx. 3.7 kg	Approx. 2.6 kg	Approx. 2.1 kg	Approx. 1.4 kg
Case	Color	Front case, Surface sheet: light gray/black (black model), Rear case: light gray			

*1 For displaying pictures, 3D parts, video and RGB input (excluding high-speed mode) only. Other parts are displayed in 65,536 colors.
*2 Wireless LAN-compatible products only. Applicable Radio Act: MIC (Japan), FCC (USA), ISED (Canada), RE/UKCA (Europe), KC (Korea).
*3 For Siemens MPI/PPI connections only.   *4 2ch for extended wired LAN-compatible products.   *5 Use under wet-bulb temperature 39°C to avoid malfunction.   *6 DC products only

Model Code

V10 □□ i S □□□

Display size
15: 15.0 inches
12: 12.1 inches
10: 10.4 inches
08: 8.4 inches

Model type
S: Standard

Functions
N/A: Standard, L: With extended wired LAN,
R: With wireless LAN

Power supply
N/A: 100-240V AC, D: 24V DC

Front case color
N/A: Light gray, B: Black

Fuji Electric Co., Ltd.