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- Products introduced in this catalog have not been designed or manufactured for such applications in a system or equipment that will affect human bodies or lives.
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www.monitouch.com

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9063NE0

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Distributor	

25070000000

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F Fuji Electric

Innovating Energy Technology

Programmable Operator Interface General Catalog

MONITOUCH

V10 Series





X 1 Standard Model Series



Meeting customer needs through a lineup of products with various specifications and sizes.

	5.7"	7.0" wide	7.5"	8.4"	10.1" wide	10.4"	12.1"	12.1" wide	15.0"	15.6" wide
X1 Series Quad-core CPU Windows OS model								X112□iSD		X115□iSD
V10 Series Quad-core CPU high performance model				V1008iSD V1008iSBD		V1010iS (D) V1010iSB (D)	V1012iS (D) V1012iSB (D)		V1015iS (D)	
TS4000 Series Basic model		TS4070i			TS4100i			TS4120i		TS4150i
TS2000 Series Basic model	TS2060 (i)									
V8 Series Handy model			V808 (i) CH							



TELLUS and V-Server
Bringing the factory floor to your desk

TELLUS and V-Server Catalog











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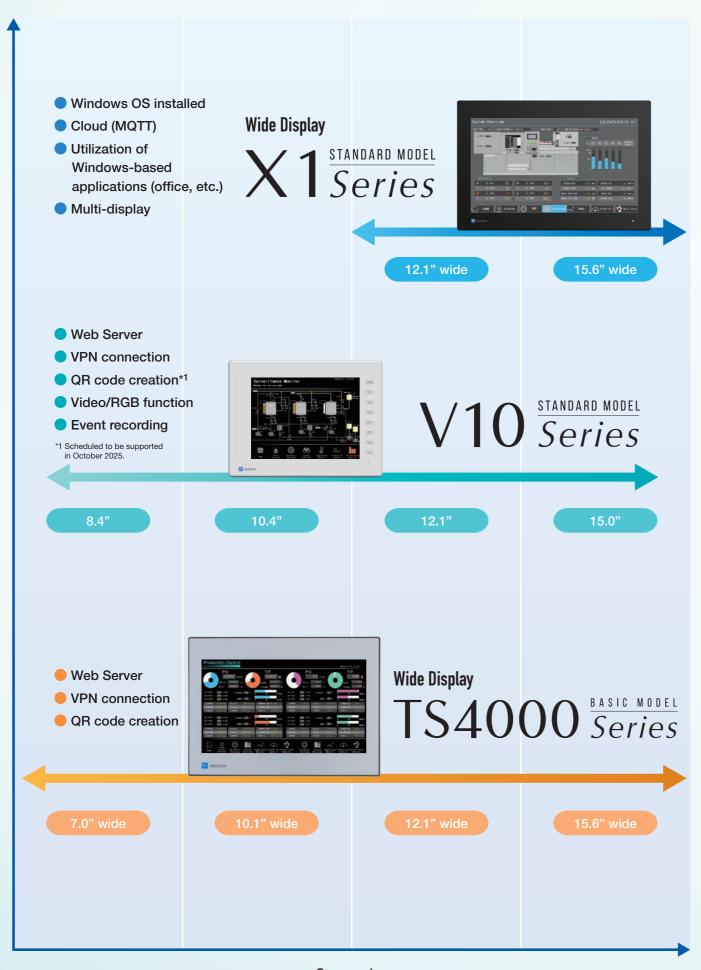
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Windows OS model for smart production sites

Wide Display



- Integration with IT systems
- Utilization of user applications
- Improved visibility (high-resolution LCD)
- Improved operability (PCAP touch screen)
- Inheritance of V-series screen assets

X 1 Standard Model Series

High performance model for overwhelmingly high speed

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).











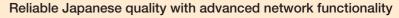






Basic model with a vivid, high-precision widescreen LCD

Wide Display

















TS4000 Series

Screen size

The new standard for high speed HMI

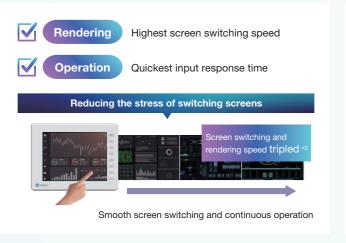
V10 Standard Model Series



Start-up

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).

Industry best performance *1



Reducing the reading and writing time of multipoint data

Smooth operation even with multiple devices connected for multi-point logging.



Reducing the stress of wait time

Shortest startup time from power-on

Highest screen data transfer speed

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

Highest communication speed

Model

Communication

15: 15.0" 12: 12.1"

10: 10.4"

08: 8.4"



Product Lineup



V1015iS(D)



V1012iS(D)



V1010iS(D)



V1008iSD



V1015iSB(D)



V1012iSB(D)



V1010iSB(D)



V1008iSBD

Analog
· ·
resistance film







*1 2CH for extended wired LAN products.	*2 Wireless LAN compatible products onl

			Specification	ns			External	Interface				Stan	dard			Delivery
Model	Display Size	Resolution	Touch Switch	Unit Color	Power Supply	Video/ RGB	AUDIO Output	Wireless LAN	Extended Wired LAN	UL 61010	UL 121201* ⁴	CE/ UKCA	кс	Radio Act	Classification Standard *5 *7	Standard: ✓ Made to order: △
V1015iS (G)					AC	∆*3	✓	_	_	-	-	-	√* ⁷	_	_	√
V1015iSD (G)						△*3	✓	_	_	✓	√* ⁷	√	√* ⁷	_	✓	√
V1015iSLD (G)				Light gray	DC	△*3	✓	_	✓	✓	√* ⁷	✓	√* ⁷	_	√	Δ
V1015iSRD	15.0"	1024	Analog			_	√	✓	_	✓	✓	_	✓	√	_	Δ
V1015iSB (G)	15.0	× 768	resistance film		AC	∆*3	✓	_	_	_	_	_	√* ⁷	_	_	Δ
V1015iSBD (G)				Black *6		△*3	✓	_	_	✓	√*7	✓	√* ⁷	_	√	Δ
V1015iSLBD (G)					DC	△*3	✓	_	✓	✓	√* ⁷	✓	√* ⁷	_	✓	Δ
V1015iSRBD						_	✓	✓	-	✓	✓	_	✓	✓	_	Δ
V1012iS (G)					AC	△*3	✓	_	_	_	_	_	√* ⁷	_	_	√
V1012iSD (G)						△*3	✓	_	_	✓	√*7	✓	√*7	_	✓	✓
V1012iSLD (G)				Light gray	DC	∆*3	✓	_	✓	✓	√* ⁷	✓	√*7	_	✓	Δ
V1012iSRD	12.1"	800 ×	Analog resistance film			_	✓	✓	_	\checkmark	✓	_	✓	✓	_	Δ
V1012iSB (G)	12.1	600	film	Black *6	AC	△*3	✓	_	_	_	_	_	√*7	_	_	Δ
V1012iSBD (G)						△*3	✓	_	_	✓	√* ⁷	✓	√*7	_	✓	Δ
V1012iSLBD (G)					DC	△*3	✓	_	✓	✓	√* ⁷	✓	√*7	_	✓	Δ
V1012iSRBD						_	✓	✓	_	✓	✓	_	✓	✓	_	Δ
V1010iS (G)					AC	△*3	✓	_	_	_	_	_	√*7	_	_	✓
V1010iSD (G)				Light gray		△*3	✓	_	_	✓	√* ⁷	✓	√*7	_	✓	✓
V1010iSLD(G)				Light gray	DC	△*3	✓	_	✓	✓	√* ⁷	✓	√*7	_	✓	Δ
V1010iSRD	10.4"	800 ×	Analog resistance			_	✓	✓	_	✓	✓	_	✓	✓	_	Δ
V1010iSB (G)		600	film		AC	△*3	✓	_	_	_	✓	_	√* ⁷	_	_	Δ
V1010iSBD (G)				Black *6		△*3	✓	_	_	✓	√* ⁷	✓	√*7	_	✓	Δ
V1010iSLBD (G)					DC	△*3	✓	-	✓	✓	√* ⁷	✓	√*7	_	✓	Δ
V1010iSRBD						_	✓	✓	_	✓	✓	_	✓	✓	_	Δ
V1008iSD (G)		8.4" × 600				△*3	✓	-	_	✓	√* ⁷	✓	√*7	_	✓	✓
V1008iSLD (G)				Light gray		△*3	✓	_	✓	✓	√* ⁷	✓	√* ⁷	_	✓	Δ
V1008iSRD	8.4"		Analog resistance		DC	-	✓	✓	_	✓	✓	_	✓	✓	_	Δ
V1008iSBD (G)			film			△*3	✓	_	_	✓	√* ⁷	✓	√*7	_	✓	Δ
V1008iSLBD (G)				Black *6		△*3	✓	_	✓	✓	√*7	✓	√*7	_	✓	Δ
V1008iSRBD						_	✓	✓	_	✓	✓	_	✓	✓	_	Δ

^{*3} Video/RGB is available only for V10 series G-type. (G at the end of the model name) *4 Hardware version b or later. For models incompatible with UL121201, please contact us.

^{*5} Serial No. 2312xxxxx or later. *6 The rear case is light gray. *7 V10 series G-type is not compatible

General Specifications

Ite	em	V1015iS	V1015iSD	V1012iS	V1012iSD	V1010iS	V1010iSD	V1008iSD					
	Rated Voltage	100~240VAC	24VDC	100~240VAC	24VDC	100~240VAC	24VDC	24VDC					
	Permissible Range of Voltage	-15%, +10%	±10%	-15%, +10%	±10%	-15%, +10%	±10%	±10%					
Power Supply	Permissible Momentary Power Failure	Within 20ms (100VAC or higher)	Within 1ms	Within 20ms (100VAC or higher)	Within 1ms	Within 20ms (100VAC or higher)	Within 1ms	Within 1ms					
Tower Suppry	Power Consumption (Max. Rating)	76VA or less	38W or less	53VA or less	25W or less	60VA or less	27W or less	25W or less					
	Rush Current	56A or less, 3ms (Ambient temperature 25°C)	29A or less, 12ms (Ambient temperature 25°C)	48A or less, 3ms (Ambient temperature 25°C)	23A or less, 5ms (Ambient temperature 25°C)	43A or less, 3ms (Ambient temperature 25°C)	25A or less, 5ms (Ambient temperature 25°C)	21A or less, 6ms (Ambient temperature 25°C)					
Insulation Resis	stance				terminal and FG: 500VD terminal and FG: 500VD	-, -							
	Operating Ambient Temperature	0~4	0~40°C *1 0~50°C *1										
	Operating Ambient Humidity		85%RH or less (without dew condensation, max. wet-bulb temperature 39°C or lower) *1										
	Operating Altitude				2,000m or less								
Physical	Operating Atmosphere			No exposure	e to corrosive gas or con	ductive dust							
Environment	Storage Ambient Temperature	-10~	-10~50°C *1 -10~60°C *1										
	Storage Ambient Humidity	85%RH or less (without dew condensation, max. wet-bulb temperature 39°C or lower) *1											
	Pollution Degree	2											
Mechanical	Resistance to Oscillation	JIS B 3502 (IEC61131-2) compliant Vibration frequency: 5 to 9Hz, Half amplitude: 3.5mm, Vibration frequency: 9 to 150Hz, Constant acceleration: 9.8 m/s² (1G) X, Y, Z: 3 directions 10 times each											
Operating Conditions	Resistance to Shock		JIS B 3502 (IEC61131-2) compliant Peak acceleration: 147m/s² (15G), X,Y,Z: 3 directions, 3 times each (18 times in total)										
Electric Operating Conditions	Resistance to Noise	Noise voltage:1,500Vp-p, pulse width:1µs, pulse rise time : 1ns (by noise simulator)	Noise voltage:1,000Vp-p, pulse width:1µs, pulse rise time : 1ns (by noise simulator)		Noise voltage:1,500Vp- ₁ (b)	o, pulse width:1µs, pulse y noise simulator)	rise time : 1ns						
	Resistance to Static Discharge			IEC61000-4-	2 compliant, Contact: 6k	V, air: 8kV							
	Grounding			Grounding resista	nce: Less than 100Ω, FG	/SG separation							
	Structure		Protection struct		pe 4X/13 *2 (when water- tion method: panel mour		ear case: IP20						
Installation	Cooling System				Natural air cooling								
Conditions	Dimensions W*H*D (mm)	382.8×3	12.8×79.2	327.8×26	61.0×53.4	303.8×23	31.0×53.8	235.0×180.0×48.7					
	Panel Cutout W*H (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		k. 3.7kg prox. 3.9kg)		x. 2.6kg prox. 2.8kg)		k. 2.1kg prox. 2.3kg)	Approx. 1.4kg (G-type approx. 1.6kg)					
Cooo	Color			ront case, Surface shee	t: Light gray/Black	Rear case: Light gra	у						
Case	Material				PBT+GF30 resin								

^{*1} Use at a wet-bulb temperature of 39°C or less because higher temperatures may cause failure. *2 DC products only.

Performance Specifications

It	em	V1015iS	V1012iS	V1010iS	V1008iS						
Screen Memory (FR	OM)		256	6MB							
Backup Memory (SF	RAM)		900	OKB							
	Display Device		TFT	color							
	Resolution	XGA: 1024×768		SVGA: 800×600							
Display	Screen Size	15.0"	12.1"	10.4"	8.4"						
Display	Display Colors	16.77 million colors *3									
	Backlight	LED									
	Backlight Life	Approx. 100,000 hours Approx. 70,000 hours									
Touch Switch	Туре		Analog res	istance film							
Function Switch	Quantity			8							
	D-Sub 9-pin × 1 (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*4 bps									
External Interface	Modular 8-pin × 2 (MJ1/MJ2)	RS-232C/RS-485 (2-wire type) Asynchronous Data length: 7, 8 bits Parity: Even, odd, none Stop bit: 1, 2 bits Baud rate: 4800, 9600, 19200, 38400, 57600, 76800, 115200 bps									
	Ethernet(RJ-45) × 1 *5	IEEE802.3(10BASE-T)/IEEE802.3u(100BASE-TX)/IEEE802.3ab(1000BASE-T) compliant, Compatible with Auto-MDIX									
	Wireless LAN(WLAN) × 1 *6	IEEE802.11b/g/n compliant (2.4GHz band)									
	SD Card × 1		Compatible with SD/SDHC/SDXC	C card (max. 2TB), Class10, UHS-I							
	USB × 2		Type A (Ver.3.0), Ty	ype mini-B (Ver.2.0)							
	AUDIO Output × 1		3.5φ stere	o mini jack							
Clock	Backup Period		5 years (Ambient	temperature 25°C)							
Olock	Calendar Accuracy	Gap	±90 sec. per month (Ambient tempera	ature 25°C, When the battery is back	red up)						
	CE-UKCA *7 *13	EMC direction: EN61000-6-	2, 6-4 RoHS direction: EN IEC63000	Battery regulation: Compatible F	Radio direction: Not compatible						
	UL-cUL *7		UL61010-1/UL61010-2-201 (E31	13548), UL121201 (E315977) *8 *9							
Standard	KC *10		Comp	patible							
	Radio Act *6 *7		MIC(Japan), FCC(USA), ISE	D(Canada), KC(South Korea)							
	Classification Standard *7 *10 *11 *12	Nippon Kaiji Kyokai (N	IK), Lloyd's Register of Shipping (LR), A	American Bureau of Shipping (ABS),	Det Norske Veritas (DNV)						

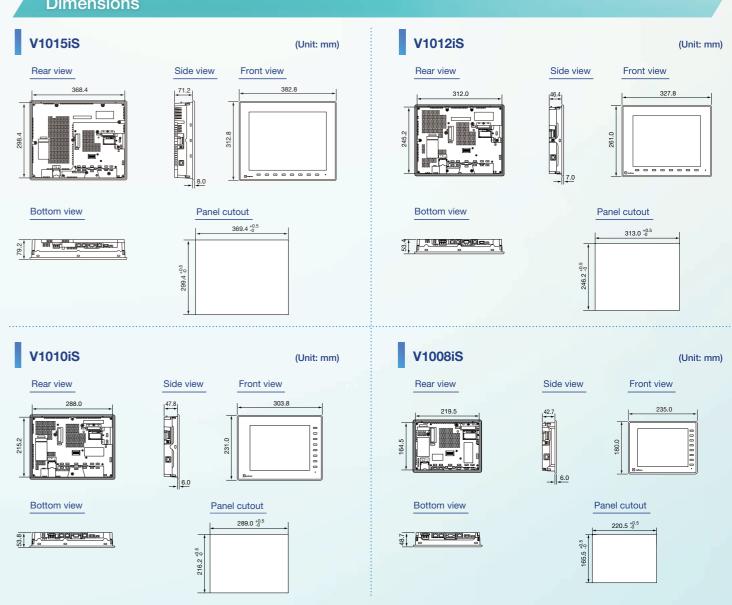
[&]quot;3 For displaying pictures, 3D parts, video/RGB input (V10 series G-type) only. Other parts are displayed in 65,536 colors. "4 Only for Siemens MPI/PPI." 5 2CH for extended wired LAN products. "6 Wireless LAN compatible products only.

Interface

Connection with a wide range of industrial networks GUX-00 Video input 4CH Expansion units *1 RGB IN/OUT GUX-01 RGB input 1CH CUR-00 OPCN-1 GUX-02 RGB output 1CH CUR-01 T-Link GUX-04 Video input 1CH CUR-02 CC-Link(Ver.1.10, Ver.2.00) GUX-10 Video input 2CH + RGB input 1CH CUR-03 Ethernet (UDP/IP) GUX-11 RGB input 2CH CUR-04 PROFIBUS-DP CUR-06 SX bus CUR-07 DeviceNet SDXC card compatible CUR-08 FL-net (Ver.2.00) Class10 and UHS-I compatible CUR-09 EtherCAT Communication units for the V9 series can be used. 3CH serial ports are built-in as standard, Can be connected to speakers directly $^{\star 2}$ allowing for the largest number of protocols Supports 1000BASE-T high-speed communication USB 3.0 allows for large amounts of data such as logging to be stored Extended wired LAN for security *3 Separation of upper and lower network segments in a USB drive at high speed 1 Modular jack (RJ45) x 2 2 D-SUB 9 pin x 1 3 Wired LAN x 1 5 USB mini-B Ver. 2.0 x 1 4 USB Type A Ver. 3.0 x 1 7 Audio jack x 1 8 SD Card x 1 9 Expansion Units *1 10 Battery holder (V9-BT) 11 Communication Units 12 Power supply terminal block

*1 GUX-xx is only for use with V10 series G-type. (For details, refer to P. 20 and P. 37) *2 A separate amplifier is required. *3 Extended wired LAN compatible products only.

Dimensions



^{*7} DC products only. *8 Hardware version b or later. V10 series G-type is not compatible. *9 For models incompatible with UL121201, please contact us. *10 Excluding V10 series G-type.

^{*11} Excluding wireless LAN compatible products. *12 Serial No. 2312xxxxx or later. *13 Wireless LAN compatible models have no CE/UKCA markings because they are not compliant with RED-DA.

New basic model with a vivid, high-precision widescreen LCD



Wide Display $TS4000^{\frac{\text{BASIC MODEL}}{Series}}$

01 Large Widescreen LCD

High-resolution widescreen LCD allows precise rendering of both text and parts. Great volume of information can be displayed together on 1 screen at site.



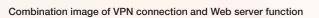
(Example) Resolution 640 x 480 (V9 Lite 10 inch)



1024 x 600 (TS4000 series 10 inch wide)

02 Networking Functions

It comes equipped with full networking functions. For example, when using the web server function, the same data as at the site can be easily checked in Google Chrome (web browser) and the information collected by TS4000 helps to visualize the site.







03 Made in Japan for Quality

We have achieved high quality and cost reduction through efficiency improvements by carrying out all activities from R&D to manufacturing at a single base in Japan.



Model

TS4 0

Screen size

15: 15.6" wide 12: 12.1" wide 10: 10.1" wide 07: 7.0" wide

Product Lineup



TS4150i







TS4070i

TS4120i

.

Wide Analog
Display resistance file









1 Available as 3ch by using COM2/COM3 simultaneously.

																Delivery
Model	Display Size			Unit Color			AUDIO Output					CE/ UKCA			Classification Standard	Made to order : △ Standard : √
TS4150i	15.6" wide	1366 × 768			DC	_	_	_	_	✓	_	✓	✓	_	_	✓
TS4120i	12.1" wide	1280 × 800	Analog resistance	Silver *2	DC	_	_	_	_	√	_	√	√	_	_	√
TS4100i	10.1" wide	1024 × 600	film		DC	_	_	_	_	✓	_	✓	√	_	_	√
TS4070i	7.0" wide	800 × 480			DC	_	_	_	_	√	_	✓	√	_	_	√

*2 The case color is black

General Specifications

Ite	em	TS4150i	TS4120i	TS4100i	TS4070i								
	Rated Voltage		24\	/DC	•								
	Permissible Range of Voltage		±10	0%									
	Permissible Momentary Power Failure		Withi	n 1ms									
	Power Consumption (Max. Rating)	12W or less	11W or less	10W or less	8W or less								
	Rush Current		20A or less, 4.0ms (Amb										
			Between DC external terminal and FG: 500VDC, 10MΩ or more										
	Operating Ambient Temperature	0~50°C *1											
	Operating Ambient Humidity	85%RH or less (without dew condensation, max. wet-bulb temperature 39°C or lower) ^{★1}											
Physical	Operating Altitude		2,000m										
	Operating Atmosphere Storage Ambient Temperature		No exposure to corrosive	-									
Strange Ambient Emperature -10~60°C *1 Strange Ambient Humidity 85%RH or less (without dew condensation, max. wet-bulb temperature 39°C or lower) *1													
	Pollution Degree	65	2	· · · · · · · · · · · · · · · · · · ·	•								
	Resistance to Oscillation	JJIS B 3502 (IEC61131-2) compliant Vibration frequency: 5 to 9Hz, Half amplitude: 3.5mm, Vibration frequency: 9 to 150Hz, Constant acceleration: 9.8m/s² (1G) X, Y, Z: 3 directions 10 times each											
Operating Conditions	Resistance to Shock	F	JIS B 3502 (IEC61 Peak acceleration: 147m/s² (15G), X,Y,Z: 3	, .									
Electric Operating Conditions	Resistance to Noise		Noise voltage:1,000Vp-p, pulse (by noise s										
	Resistance to Static Discharge		IEC61000-4-2 compliant	, Contact: 6kV, air: 8kV									
	Grounding		Grounding resistance: Less th	an 100Ω, FG/SG separation									
	Structure	Pro	tection structure: Front case: IP65 (when w Installation method		20								
	Cooling System		Natural air	cooling									
Installation Conditions	Dimensions W*H*D (mm)	402.8×256.8×48.0	303.8×223.8×48.0	263.8×191.8×38.0	198.8×141.8×38.0								
	Panel Cutout W*H (mm)	393 (+0.5/-0) ×249 (+0.5/-0)	254 (+0.5/-0) ×184 (+0.5/-0)	189 (+0.5/-0) ×134 (+0.5/-0)									
	Weight (display only)	Approx. 2.3kg	prox. 2.3kg Approx. 1.5kg Approx. 1.1kg										
Case	Color	Black (Surface sheet: Silver)											
Case	Material		PBT+GF	30 resin									

^{*1} Use at a wet-bulb temperature of 39°C or less because higher temperatures may cause failure. *2 Waterproof gasket is available as an option. When waterproof gasket is not used, it is equivalent to IP40.

Performance Specifications

It	em	TS4150i	TS4120i	TS4100i	TS4070i					
Screen Memory (FR	OM)		128	MB						
Backup Memory (SF	RAM)		230)KB						
			TFT	color						
		FWXGA: 1366×768	WXGA: 1280×800	WSVGA: 1024×600	WVGA: 800×480					
		15.6" wide	12.1" wide	10.1" wide	7.0" wide					
Display	Display Colors	16.77 million colors *3	16.20 million colors *3	16.77 millio	on colors *3					
	Backlight		LE	ED .						
	Backlight Life	Approx. 50,000 hours Approx. 45,000 hours Approx. 45,000 hours								
Touch Switch			Analog resi	istance film						
Function Switch	Quantity		-	-						
	D-Sub 9-pin (female) × 1 (COM1)	RS-422/RS-485 (4-wire or 2-wire type is switched by DIP switches) 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 *4 bps								
	D-Sub 9-pin (male) × 1 *5 (COM2/COM3)	COM2:RS-232C COM3:RS-485 (2-wire type) Asynchronous Data length: 7, 8 bits Parity: Even, odd, none Stop bit: 1, 2 bits Baud rate: 4800, 9600, 19200, 38400, 57600, 76800, 115200 bps								
		IEEE802.3(10BASE-T)/IEEE802.3u(100BASE-TX) compliant, Compatible with Auto-MDIX								
	Wireless LAN	-								
	SD Card		-	-						
			Type-A(Ver. 2.0), Ty	ype mini-B(Ver. 2.0)						
	AUDIO Output		-	-						
Clock			5 years (Ambient t	temperature 25°C)						
Clock	Calendar Accuracy	Gap	±80 sec. per month (Ambient tempera	ature 25°C, When the battery is backed	up)					
	CE-UKCA	EMC direc	tion: EN61000-6-2, 6-4 RoHS direction	on: EN IEC63000 Battery regulation: C	ompatible					
			UL61010-1/UL610	10-2-201(E313548)						
			Comp	patible						
	Radio Act		-	-						
	Classification Standard		-	-						

^{*3} For displaying pictures and 3D parts only. Other parts are displayed in 65,536 colors.

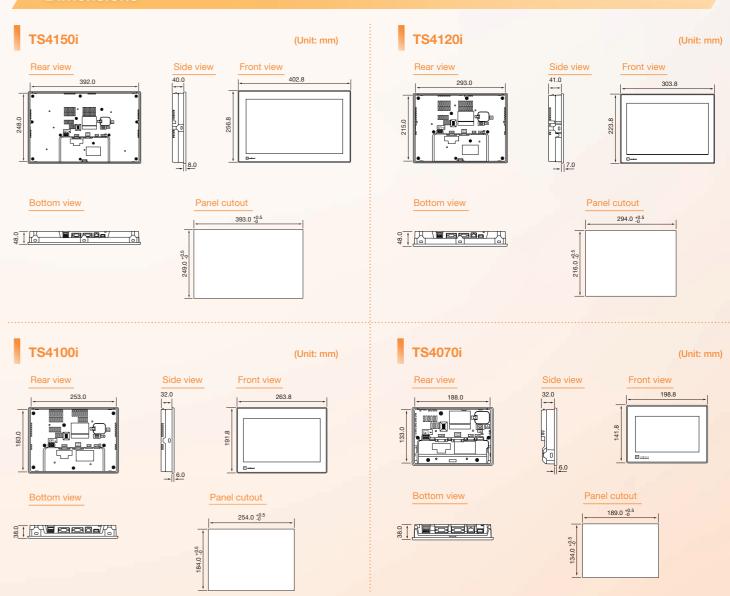
Interface





^{*1} COM2(RS-232C) and COM3(RS-485) can be used simultaneously.

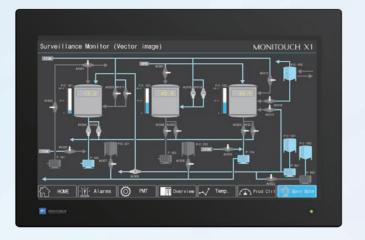
Dimensions



^{*4} Only for Siemens MPI/PPI. *5 COM2/COM3 can be used simultaneously.

15

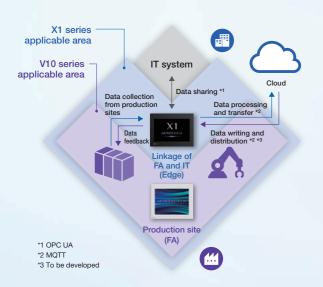
Edge-computing accelerates the transition to smart production sites $\frac{STANDARD\ MODEL}{Series}$

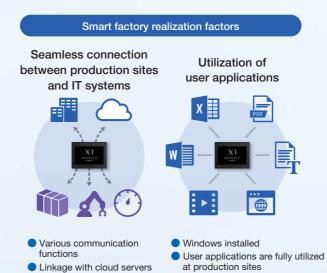




Integration with IT Systems

Data visualization, improvement of productivity and optimization of production management can be conducted.





Utilization of User Applications

Since Windows is installed, Windows applications and user applications can be used at production sites.

Applications can be run by switches on the HMI display and used freely at production sites.



Visibility and User-friendliness

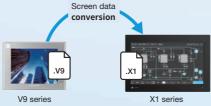
A vectorized rendering engine allows for high quality scaling. Beautiful high quality screens can be created regardless of the display resolution.

V-series Screen Assets

Inheritance of

Screen assets created for the V-series can be converted for use in the X1 series.





Model



Screen size 15: 15.6" wide 12: 12.1" wide

Main memory 1: 4GB

2: 8GB *1

*1 Models without WLAN and Bluetooth only

Functions R: with WLAN and Bluetooth N/A: without WLAN and Bluetooth

Product Lineup





X115□iSD

X112□iSD

*2 Only pictures and 3D parts are available for HMI screens. *3 Wireless LAN compatible products only

			Specifi	cations				External	Interface				Stan	dard			Delivery
Model	Display Size	Resolution	Touch Switch	Main Memory	Unit Color	Power Supply	HDMI	AUDIO Output	Wireless LAN	Blue tooth	UL 61010	UL 121201	CE/ UKCA *4	кс	Radio Act	Classification Standard	Standard : √ Made to order : △
X1151iSD				4GB			√	√	_	-	√	_	√	√	-	_	√
X1151iSRD	15.6" wide	1920 × 1080		4GB			√	√	√	√	√	_	_	√	√	_	Δ
X1152iSD			PCAP	8GB			√	√	_	_	√	_	√	√	_	_	Δ
X1121iSD			(Capacitive type)	4GB	Black	DC	√	√	_	_	√	_	√	√	_	_	√
X1121iSRD	12.1" wide	1280 × 800		4GB			✓	✓	√	√	√	_	_	√	✓	_	Δ
X1122iSD				8GB			√	√	_	_	√	_	√	√	_	_	Δ

^{*4} UKCA is compatible with hardware version b or later.

General Specifications

	Item	X115□iSD	X115□iSRD	X112□iSD	X112□iSRD				
	Rated Voltage		24\	DC	1				
	Permissible Range of Voltage		±10	0%					
Power Supply	Permissible Momentary Power Failure		Withir	n 1ms					
	Power Consumption (Max. Rating)	51W d	or less	41W	or less				
	Rush Current	24A or less, 6ms (Ambient temperature 25°C)							
Insulation Resistance			Between DC external terminal a	nd FG: 500VDC, 10MΩ or more					
	Operating Ambient Temperature	0~45°C *¹							
	Operating Ambient Humidity	85%RH or	less (without dew condensation,	max. wet-bulb temperature 39°C	c or lower) *1				
	Operating Altitude		2,000m	or less					
Physical Environment	Operating Atmosphere		No exposure to corrosive	e gas or conductive dust					
	Storage Ambient Temperature		-10~€	60°C *1					
	Storage Ambient Humidity	85%RH or	less (without dew condensation,	max. wet-bulb temperature 39°C	c or lower) *1				
	Pollution Degree	2							
Mechanical Operating	Resistance to Oscillation	JIS B 3502 (IEC61131-2) compliant Vibration frequency: 5 to 9Hz, Half amplitude: 3.5mm, Vibration frequency: 9 to 150Hz, Constant acceleration: 9.8m/s² (1G) X, Y, Z: 3 directions 10 times each							
Conditions	Resistance to Shock	Peak acce	JIS B 3502 (IEC6 ⁻ eleration: 147m/s ² (15G), X,Y,Z: 3	, .	es in total)				
Electric Operating Conditions	Resistance to Noise		Noise voltage:1,000Vp-p, pulse (by noise						
	Resistance to Static Discharge		IEC61000-4-2 complian	t, Contact: 6kV, air: 8kV					
	Grounding	D class grou	unding (3rd-class grounding) F0	G/SG is internally connected in the	ne X1 series.				
	Structure	Protection structure: Front cas	e: IP66 (when water-proof gasket	is used), Rear case: IP20 Insta	allation method: panel mounting				
Installation Conditions	Cooling System		Natural a	ir cooling					
motaliation contactions	Dimensions W*H*D (mm)	406 × 27	'1 × 68.2	320 × 24	41 × 66.7				
	Panel Cutout W*H (mm)	395 (+0.5/-0) ×	260 (+0.5/-0)	309 (+0.5/-0)	× 230 (+0.5/-0)				
	Weight	Approx. 3.9kg Approx. 3.2kg							
C	Color	Black							
Case	Material		PBT+GF30	resin (front)					

^{*1} Use at a wet-bulb temperature of 39°C or less because higher temperatures may cause failure.

Performance Specifications

	Item	X115□iSD	X115□iSRD	X112□iSD	X112□iSRD				
	Processor		Intel Atom [®]	9 ×5-E3940					
Hardware	Number of Cores / Number of Threads	4/4							
	Main Memory	□:1 4GB □:2 8GB							
	Internal Storage	SSD(3D NAND): 64GB (free space 30GB)							
Software	os		Windows 10 IoT Enter	prise 2019 LTSC(64bit)					
	Display Device		TFT	color					
	Resolution	FHD: 192	20 × 1080	WXGA:1	280 × 800				
Display	Screen Size	15.6"	wide	12.1	" wide				
	Display Colors		16.77 million colors (for HMI scre	eens, pictures and 3D parts only					
	Backlight		LE	ED					
	Backlight Life		Approx. 50),000 hours					
Touch Switch	Туре	PCAP (Capacitive type)							
Function Switch	Quantity	-							
	Serial Port (RJ-45) x 1	RS-232C/RS-422/RS-485 (switchable) Asynchronous Data length: 7, 8 bits Parity: Even, odd, none Stop bit: 1, 2 bits Baud rate: 4800, 9600, 19200, 38400, 57600, 76800, 115200 bps							
	Ethernet(RJ-45) × 2	IEEE802.3(10BASE-T)/IEEE802.3u(100BASE-TX)/IEEE802.3ab(1000BASE-T) compliant, Compatible with Auto-MDIX							
	Wireless LAN × 1 *2	-	IEEE 802.11 ac/a/b/g/n (2.4/5.0GHz band)	_	IEEE 802.11 ac/a/b/g/n (2.4/5.0GHz band)				
External Interface	USB-A Ver. 3.0 × 2	(Low speed:	Ver.3.0 5Mbps, Full speed: 12Mbps, High speed: 480Mbps, Super speed: 5.0Gbps)						
	USB-A Ver. 2.0 × 2	Ver.2.0 (Low speed: 1.5Mbps, Full speed: 12Mbps, High speed: 480Mbps)							
	AUDIO Output × 1	3.5φ stereo mini jack, line output							
	Bluetooth × 1 *2	- Bluetooth		-	Bluetooth				
	HDMI	1920	< 1080	1280	× 800				
	Backup Period		3 years (Ambient	temperature 25°C)					
Clock	Calendar Accuracy		Gap ±2 sec. per day (Am	nbient temperature 25°C)					
	CE·UKCA *3*4	EMC direction: EN61000-6-2, 6	-4 RoHS direction: EN IEC63000	Battery regulation: Compatible	Radio direction: Not compatible				
Standard	UL·cUL		UL61010-1/UL610	10-2-201(E313548)					
- Otandalu	KC		Comp	patible					
	Radio Act *2	MIC(Japan), FCC(USA), ISED(Canada), KC(South Korea), NCC(Taiwan)							

 $^{^{\}star}2$ Wireless LAN compatible models only. $^{\star}3$ UKCA is compatible with hardware version b or later.

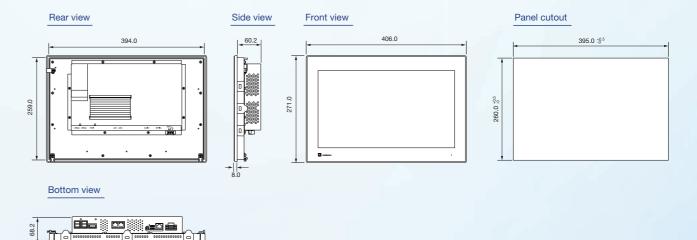
Interface Various interfaces for achieving edge-computing

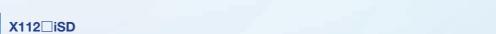


Dimensions

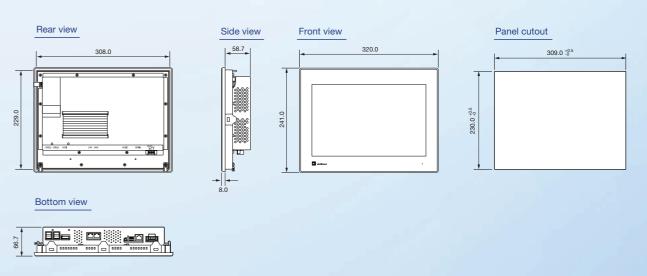
X115⊡iSD

(Unit: mm)





(Unit: mm)



^{*4} Wireless LAN compatible models have no CE/UKCA markings because they are not compliant with RED-DA.

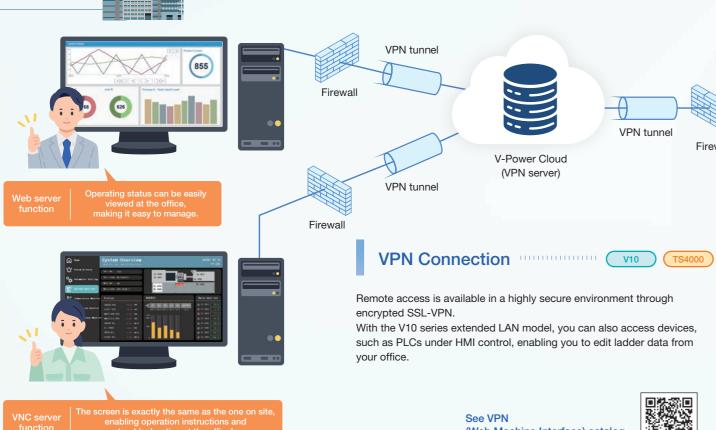
Various Networking Functions Connecting Offices and Factories

Web Server Function *1 *2

Without installing a dedicated application, it is possible to remotely monitor production facilities in the web browser (Google Chrome) on a computer or a tablet. The status of facilities can be checked at your office so you can save the trip to the production site. By accessing the screens for Web Server created and stored in MONITOUCH at the office, information can be easily viewed with numerical values and graphs.

- *1 Web pages are created using "Web Editor", a Web Server configuration software built into Smart Editor.
- *2 VPN connection is not essential. Available as long as MONITOUCH and the terminal device are on the same network.





(Web Machine Interface) catalog



VNC Server Function

By accessing MONITOUCH with a VNC application, the MONITOUCH screen can be displayed on a computer. When debugging or making adjustments, you can operate and check the MONITOUCH without being in front of it, saving significant travel time. Our "Simple Remote" VNC application is available free of charge. It can also be accessed from a tablet.



TELLUS and V-Server

Bringing the factory floor to your desk

TELLUS Remote allows remote access to MONITOUCH by using MONITOUCH's screen assets. Download Simple Remote

See TELLUS and V-Server



QR Code Creation



QR codes can be created and displayed on MONITOUCH. By linking with Web Server function, QR codes can be read by smart devices to quickly display the dashboard screen. Also, by using the URL of a PDF manual or video file as the QR code information, the file in the web browser can be displayed and played on the smart device.

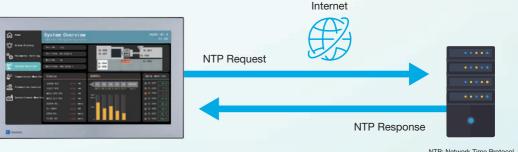
*3 Scheduled to be supported in October 2025







Simply specify the IP address of the time server and connect to the network for easy and accurate time correction. Automatic time correction eliminates the need to create a screen for time correction.



NTP: Network Time Protocol

Manual connection with "Time setting" in System Configurator or automatic connection when turning on the power is possible.

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catalog

Extensive multimedia functions for on-site visualization

USB Camera Event Recording Function

V10

USB camera images can be displayed in real time. By double-touching the area, video can be paused/released and JPEG files can be saved. By linking with the alarm function, up to 180 seconds of video can be recorded before and after the occurrence of an abnormalities. Recorded video can be played using a video viewer.



Network Camera

V10



By connecting to network camera using an Ethernet connection, it is possible to display camera images on the MONITOUCH screen. Up to 4 camera images can be displayed simultaneously.

For cameras that support remote control, you can zoom in the camera images or change the orientation of the camera on the MONITOUCH screen.



Video/RGB Function

V10 G-type only

By attaching an optional unit, videos and RGB input images can be displayed and images displayed on the V10 series can be sent to external displays.



Model	Function
GUX-00	Video input 4CH
GUX-01	RGB input 1CH
GUX-02	RGB output 1CH
GUX-04	Video input 1CH
GUX-10	Video input 2CH + RGB input 1CH
GUX-11	RGB input 2CH

By integrating the image processing unit for RGB input into the V10 series (G type) using the GUX-01, it is possible to display the image of the image processing unit while also displaying the operation screen of the facility.



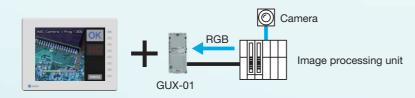


Image Function Comparison

V10



Item	Image input					Image output
Connected device		Came			External monitor	
Connected device	USB Camera	Network camera	Video camera	RGB input	Remote desktop *2	(RGB output)
Connected port	USB-A	LAN	BNC co-axial connector	Dsub15 (mini)	LAN	Dsub15 (mini)
No. of connectable device	1	Register: 255 SIML display: 4	1~4	1~2	1	1
Camera image display	√	✓	✓	_	_	_
Event record function	√	_	_	_	_	_
PC screen display	_	_	_	✓	✓	_
PC screen operation	_	_	_	√ *1	✓	_
Supported HMI models and optional units	V10	V10 TS4000	V10 G-type + GUX-00(4CH) V10 G-type + GUX-04(1CH) V10 G-type + GUX-10(2CH)	V10 G-type + GUX-01(1CH) V10 G-type + GUX-10(1CH) V10 G-type + GUX-11(2CH)	V10 TS4000	V10 G-type + GUX-02 (1CH)

^{*1} A separate driver needs to be installed on a PC. *2 VNC server software needs to be installed on a PC.

Hardware Specifications Comparison





	H.····	V10 series				TS4000 series				
	Item		V1012iS	V1010iS	V1008iS	TS4150i	TS4120i	TS4100i	TS4070i	
	Display Size	15.0"	12.1"	10.4"	8.4"	15.6" wide	12.1" wide	10.1" wide	7.0" wide	
Display	Resolution	XGA 1024×768	SVGA 8 800×600		FWXGA 1366×768	WXGA 1280×800	WSVGA 1024×600	WVGA 800×480		
Power supply			AC	/DC	DC		DC			
	Serial	3 ports CN1: D-sub 9-pin(female), MJ1: RJ-45, MJ2: RJ-45		2 ports COM1: D-	2 ports COM1: D-sub 9-pin(female), COM2/COM3: D-sub 9-pin(male) *					
	USB	2CH Type-A(Ver.3.0), Type-mini B(Ver.2.0)			2CH Type-A(Ver.2.0), Type-mini B(Ver.2.0)					
	Ethernet	1CH *3(10BASE-T/100BASE-TX/1000BASE-T)			1CH(10BASE-T/100BASE-TX)					
Interface	Wireless LAN	1CH *4			_					
IIILEITACE	SD		1CH(max. 2TB)			_				
	AUDIO	Compatible			_					
	Communication Units (CUR-xx)	Compatible			_					
	Expansion Units (GUX-xx)	Compatible *5			_					
Memory	Screen Memory (FROM)		256	SMB		128MB				
Wichiory	Backup Memory (SRAM)	900KB			230KB					
Case Color		2 types: Light gray/Black			1 type: Silver					

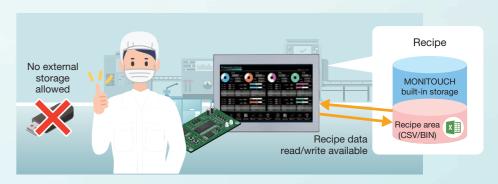
^{*3 2}CH for extended wired LAN products (V10xxiSLD). *4 Wireless LAN compatible products (V10xxiSRD) only. *5 Video/RGB compatible products (G-type V10 series) only. *6 Simultaneous use of COM2/COM3 is possible.

Support for environments with strict restrictions on bringing in devices, such as clean rooms

Recipe Function with Built-in Storage

Recipe data for each product can be stored in the HMI unit's built-in storage for use in production changeovers. Since no external storage is required, the recipe function can be used even at sites where the use of external storage is prohibited. This eliminates the need to worry about storage failure and the hassle of selecting storage."

*7 Scheduled to be supported in October 2025.



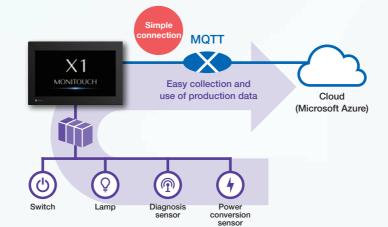
Compatible with OPC UA Server and Client *1

- The X1 series is equipped with OPC UA server and client, so data can be collected by connecting to both offices and production sites.
- Even if devices at the production site are incompatible with OPC UA, the X1 series can fulfil the role of a gateway to OPC UA in order to transfer data to OPC UA clients in the host system.
- OPC UA enables data sharing between production sites and the host system, and facilitates the standardization of equipment.

OPC UA client Office OFC UA server OPC UA server OPC UA server OPC UA client OPC UA client

Cloud (MQTT) Compatible

- Operation data, production data, status data, etc. are sent to the cloud system via MQTT for collection and storage. It contributes to the visualization and improvement of the factory.
- Since the system is linked with the Microsoft Azure platform, various tools and frameworks of the cloud service can be used.



Linkage with Microsoft services via Azure IoT Hub is possible.



Visualization, analysis, AI / Machine learning

- VisualizationProgress management
- Diagnosis / Analysis Prediction / Status detection
- Cause analysisKPI management

Standardized Web Browser

Since the X1 series is equipped with a web browser as standard, it is possible to use the browser function in applications and IT systems.

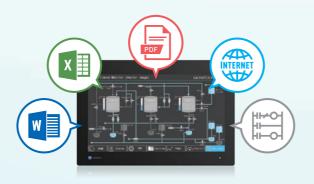
When combined with a monitoring system or network cameras, it is possible to monitor different machines on the network, and to check each status easily.



Utilization of User Applications

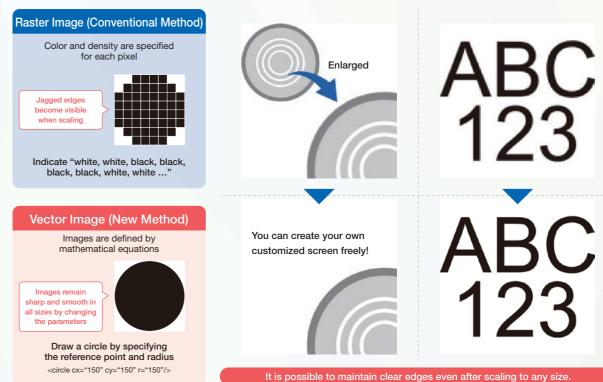
Since Windows is installed on the X1 series, Windows applications can be used, meaning there is no need to bring your computer to the manufacturing site. The display position and window size of the application can also be specified, allowing for operation with a display position and size suited to the X1 series screen layout.

In addition, it is possible to reduce maintenance tasks and the space required for PCs at the production site by integrating PCs with the X1 series. The X1 series with Windows applications improve versatility and expandability, as well as functioning of HMIs.



Vector Graphics

Vector graphics enable high quality and tailored screen creation as it allows the enlargement/reduction of parts while maintaining a clear image.



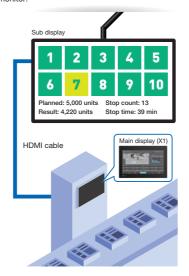
Multi-Display

Two screens can be used simultaneously, each with independent display and operation. A different screen can be displayed on a large external monitor, or 2-split screen is available. Since the X1 series display and the external display can be installed in landscape or portrait (90° to the right) mode, setups matching the on-site environment and space are possible.

Andon monitor display

It's possible to visualize the operating status of equipment and share information by displaying details such as production plans and results on an Andon monitor (large display) connected via an HDMI cable.

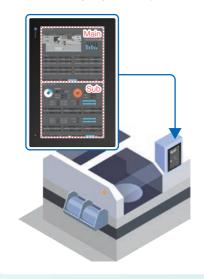
There is no need to prepare a computer for the Andon display; the X1 series alone can display and operate as an HMI as well as display information on an Andon monitor.



2-split screen

Two X1 applications (main & sub) can be run on the X1 series and displayed and operated on the same screen simultaneously by splitting the screen horizontally or vertically.

In addition to displaying data from the same or a different screen, it also supports the display of user applications such as engineering tools, displaying information with a high degree of density and freedom

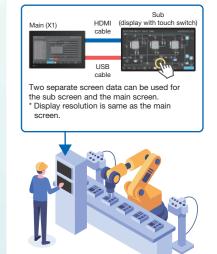


Expansion of the display / operation screen

To improve work efficiency, the amount of information that can be checked at one time can be increased by using the X1 series with an external display.

Touch operation is also possible on external displays with a touch switch, via connection using a USB cable.

One X1 series unit can be used for HMI display and operation equivalent to two units.



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^{*1} OPC UA server and client cannot be used simultaneously.

25

Easy to manage password with operating authorities.

Security Features





Before

PCs were introduced for security control, however...



User IDs and passwords can be registered, changed or deleted on the HMI screen. In addition, by assigning levels to password, you can control the operating privileges of each operator.



Speedy identification of the cause of alarms, and analysis and resolution of problems.

Operation Log Function V10





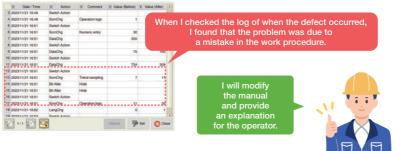


When an alarm occurs, I can't see the history leading up to it and I don't know the cause. I want to achieve traceability, but I don't know what to do..





Operators' activity and machine settings can be confirmed. Quick identification of the cause and early resolution of problems are possible, contributing to the improvement of yield rate and a decrease of defective products.



Go paperless with PDF output of data sheets. Contribute to carbon neutrality.

Reporting Function







Before

Currently we output inspection results via hardcopy printing, however we want to set up a paperless system...



After

PDF files can be output with the layout unchanged. With the extended features, designs using graphs and meters are available. You can also add handwritten electronic signatures.







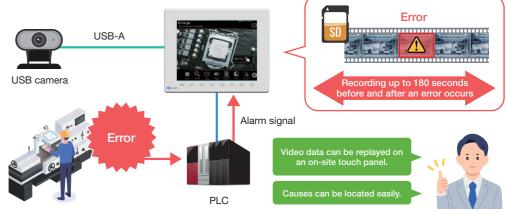
a single PDF file,



Display images from a USB camera. Recorded footage when an error occurs can help investigate the cause.

Event Recording Function

Operation status before and after the error can be recorded. By looking back at the saved video, causes can be identified quickly and easily, improving on-site operating efficiency.



Check blind spots and distant areas with camera feeds

Network Cameras

Install network cameras in narrow, inaccessible or distant areas, and display the camera feeds on the HMI unit. The entire site can be checked, leading to

Up to 255 cameras can be registered, and images from up to 4 cameras can be displayed simultaneously.

safety improvements.



Ethernet

On-site viewing of video manuals for better understanding and work efficiency.

Video Playback

Video files (mp4) can be played.

The work procedures can be checked on video, allowing anvone to perform daily maintenance work and recovery work in the event of troubles.

Recorded files saved with the event recording function can also be played back.



Available for display in Windows applications.

Reduce program design time and connection unit equipment costs.

8-way Communication v10

Reduce the time required to design programs by having MONITOUCH handle the connection with devices.

Equipment can be expanded without the need for units, leading to cost reduction.

Additionally, data can be shared between devices at intervals specified by MONITOUCH.

*1 According to our own research *2 As of April 2025



Reduce debugging and maintenance time through remote monitoring and operation.

VNC Server Function

The HMI screen can be displayed and operated on a tablet or PC. Remote operation is possible during debugging and maintenance, saving time.

Our "Simple Remote" VNC application is available free of charge



Changes in the data are analyzed and used for preventive maintenance.

Trend Analysis

Before

I'm checking the quality of products using trend graphs, but there is nothing to compare them to, so it is difficult to understand whether the quality is good or bad... I want to compare it with

past data, and also display the past production data in a graph..

Waveform monitor screen

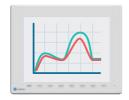




After

Past and current trend data can be superimposed. Visually understand trends in production data while checking changes in data during the manufacturing process in real time. Obtain improved yields by using it for preventive maintenance.

Waveform monitor screen

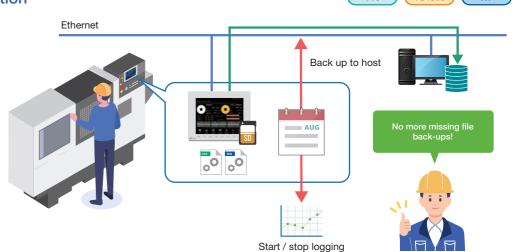




Prevent omission of work by scheduling function execution

Scheduler Function

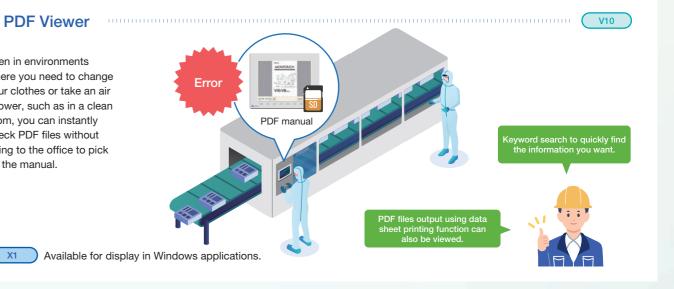
Operations can be scheduled and executed by month, day and time, preventing forgetting to execute due to human error. Since functions are executed automatically, it also leads to a reduction in work time.



On-site PDF files viewing reduces recovery time in the event of an error.

PDF Viewer

Even in environments where you need to change your clothes or take an air shower, such as in a clean room, you can instantly check PDF files without going to the office to pick up the manual.



The entire system can be grasped by scrolling operation.

Scrolling Function

Before

Switching screens makes it difficult to understand the overall situation...

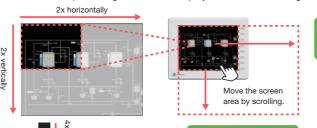
When a lot of information The whole picture is displayed, visibility and doesn't fit to a screen.. operability become poor...





After

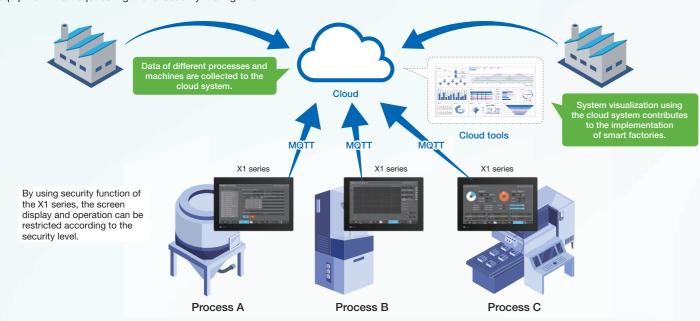
Scrolling display is possible by creating a screen larger than the HMI unit's resolution (up to 4 times the display size). Even screens with a large amount of information, such as an overall plant diagram, can be displayed without switching screens.





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Increased efficiency and improvement of the production system is realized by connecting to the cloud and analyzing, visualizing and identifying trends of the collected data. Besides, it contributes to ensuring the security in pharmaceutical manufacturing by installing the X1 series on pharmaceutical equipment that requires high-level security management.



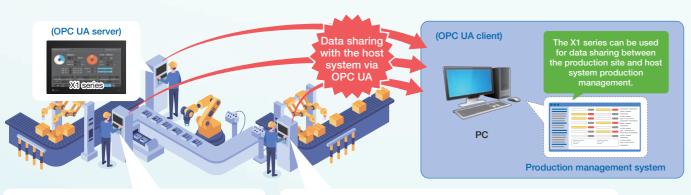
Application example > Connection to IT system for centralized management of equipment status

Workpiece conveyor x1

The X1 series collects data from multiple machines at production sites and shares it with the host system via OPC UA.

This helps to improve productivity and product quality, and it facilitates the standardization of equipment.

Adoption of the X1 series for devices equipped with industrial robots adds further value to the robots that contribute to factory automation.





Engineering tool

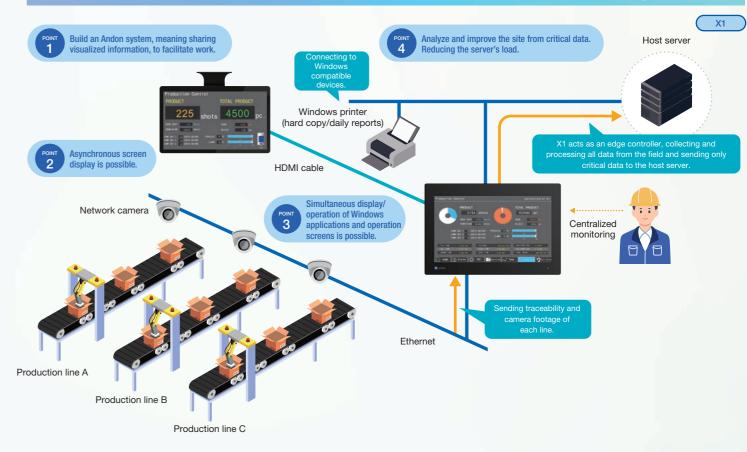
If engineering tools of connected devices are installed, it is possible to edit and monitor the programs of robots or PLCs through the X1 series Bringing a PC into the production site is no longer necessary.



Data collection using Excel

Operation data of transfer robots can be linked to Excel on the X1 via V-Server (our data collection software). Graphs created by Excel can be displayed on the X1 by installing and linking Excel and V-Server.

Application example > Optimization of production equipment visualization and traceability

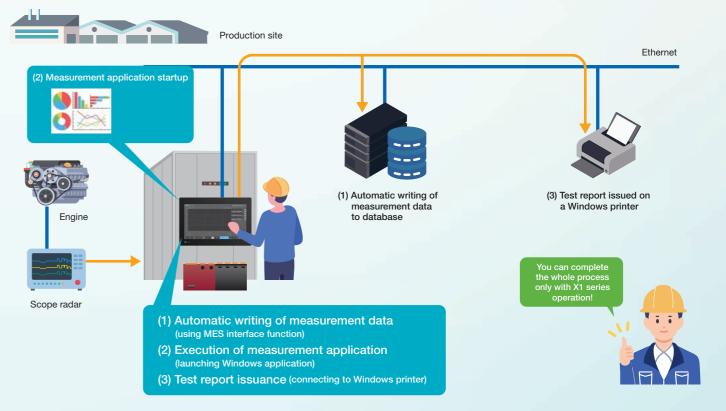


Application example > Automated data entry in the inspection process

X1

29

3 roles in 1 unit with the X1 series! Automation of data entry work enables a significant reduction in man-hours.



Screen creation has evolved from "learned" to "intuitive" with our smart configuration software.

Smart Editor



The user interface has been completely redesigned to enable stress-free, intuitive screen creation.









Intuitive configuration, Project View and Properties

Project View

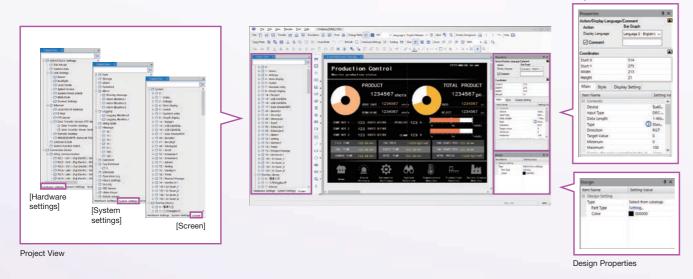
Point

All file settings are consolidated in Project View. Hierarchic tree configuration provides easy confirmation and configuration of the entire project.

Properties / Design Properties

Point

Detailed settings and design attributes for individual items are consolidated in Properties. Configuration can be performed without disruption.



◆

Configuration, from the entire project to individual screens, is consolidated into Project View, and individual settings into Properties.

The flow of left to right enables quick, intuitive configuration.



Reduced debugging time with speedy start-up and screen data transfer

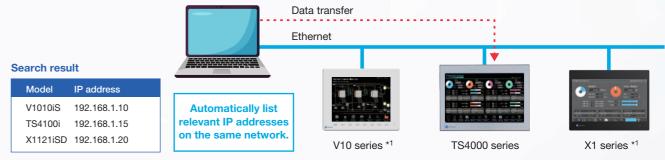


Speedy start-up



Example of transfer performance

Simply click the "Search All" button in the transfer menu to display a list of MONITOUCH models and IP addresses that exist on the same network. Even if the IP address is unknown, you can transfer screen data.



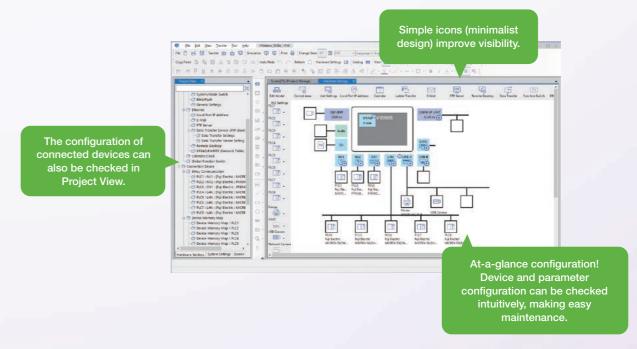
*1 Scheduled to be supported in October 2025.



Minimal wait time for start-up and screen data transfer drastically improves operational efficiency.



Hardware settings for intuitive configuration and checking of connected devices





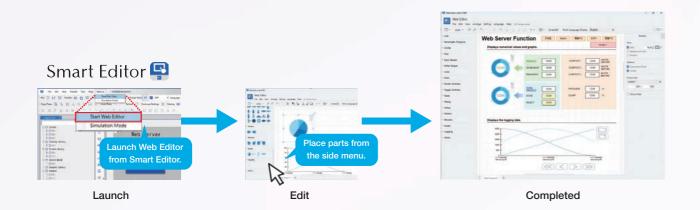
Information on connected devices such as PLCs, temperature controllers, inverters and USB cameras can be checked and configured easily and intuitively.

Smart Editor Features

Web Editor

Smart Editor comes standard with the Web Editor that specializes in designing the Web Server function. Anyone can freely design web server screens without requiring programming skills. Up to 100 screens can be created, and switches, lamps, data displays, graphs, logging, and alarm displays can be placed on the web server screen.

You can use the Web Server function by transferring screen data from Smart Editor to the HMI unit.



Screen Data Compatibility with Legacy Models

You can convert and edit screen data created with V-SFT for legacy models without any changes.







Screen data assets created with the configuration software prior to V-SFT can be converted and edited using Smart Editor.

System Requirements

PC	Personal computer for Windows
os	Windows10(64bit) Windows11(64bit)
CPU	Windows 10: Intel Core 2 Duo 2GHz or higher recommended Windows 11: 2 cores or higher (64 bit) or System on a Chip (SoC)
Memory	8GB or more recommended

Hard disk	When installed: 6.0 GB or more
Disc drive *1	DVD-ROM drive
Display	1920×1080 (Full HD) or greater
Other	Microsoft .NET Framework 4.0 or higher Visual Studio 2015-2022 Visual C++ Redistributable packages (Automatically installed upon installation, if missing)

Models

Model	Product
SMED-DVD	MONITOUCH Smart Editor Single license - DVD
SMED-DVD-SL	MONITOUCH Smart Editor Site license - DVD
SMED-DL	MONITOUCH Smart Editor Single license - Download
SMED-DL-SL	MONITOUCH Smart Editor Site license - Download
SMED-DVD-VUP *1	MONITOUCH Smart Editor DVD for Version upgrade (License not included)

^{*1} This is a DVD for version upgrading, meant for those who have already installed Smart Editor.

The update module is also downloadable from our website free of charge. (membership registration required.)

Site License

Site license is distributed on a worksite basis, and can be installed on an unlimited number of computers within the same worksite. Access the dedicated form from the QR code written in the document packaged with the DVD, and enter the required information to complete the site license registration.



How to Apply for SMED-DL

Place your order along with the application form at your local distributor, and you will receive a reply e-mail once the procedure is complete.



https://monitouch.fujielectric.com/site/support-e/download-index-01.htm



Installation Procedure

The installation is started by entering the license key written in the license agreement.



^{*1} Not required for the download version of Smart Editor.



TECHNOSHOT

CE C LUSTED

With Ethernet port
TS2060i

TS2060



V8 Handy Type



V808CH

7.5"	VGA	64K	TFT	LED Backlight
2ch Serial	CF	USB	DC Power Supply	

 ϵ

With Ethernet port
V808iCH



No Ethernet port
V808CH

4.5M

V808CH Models

V808□CH□ |

	Mary avvikala	Deadman switch				
	Key switch	Туре	External output			
0	N/A	Momentary	N/A			
1	Equipped	Momentary	N/A			
2	N/A	3-position	1-contact			
3	Equipped	3-position	1-contact			
4	N/A	3-position	2-contact			

[Feature Specifications] N/A: No built-in LAN port i: Built-in LAN port

Lineup List

	Model	Display Size	Resolution	Touch Switch	Unit Color	Power Supply	Network	Graphic
	Programmable Opera	tor Interface						
	V1015iS					AC	CUR-xx	_
	V1015iSDC				Links		CUR-xx	_
	V1015iSLDC				Light gray	DC	CUR-xx	_
	V1015iSRDC						CUR-xx	_
	V1015iSB					AC	CUR-xx	_
	V1015iSBDC					710	CUR-xx	_
	V1015iSLBDC				Black *1	DC	CUR-xx	_
		15.0"	1024 × 768	Analog resistance film		DC		
	V1015iSRBDC					10	CUR-xx	
	V1015iSG					AC	CUR-xx	GUX-xx
	V1015iSDG				Light gray	DC	CUR-xx	GUX-xx
	V1015iSLDG						CUR-xx	GUX-xx
	V1015iSBG					AC	CUR-xx	GUX-xx
	V1015iSBDG				Black *1	DC	CUR-xx	GUX-xx
	V1015iSLBDG					DC	CUR-xx	GUX-xx
	V1012iS					AC	CUR-xx	_
	V1012iSDC						CUR-xx	_
	V1012iSLDC				Light gray	DC	CUR-xx	_
	V1012iSRDC						CUR-xx	_
	V1012iSB					AC	CUR-xx	_
	V1012ISBDC					7.0	CUR-xx	_
	V1012ISBDC V1012ISLBDC				Black *1	DC -	CUR-xx	
		12.1"	800 × 600	Analog resistance film		DC		_
	V1012iSRBDC						CUR-xx	
	V1012iSG				1	AC	CUR-xx	GUX-xx
	V1012iSDG				Light gray	DC -	CUR-xx	GUX-xx
	V1012iSLDG					50	CUR-xx	GUX-xx
1/40	V1012iSBG					AC	CUR-xx	GUX-xx
V10	V1012iSBDG			Black *1	DC	CUR-xx	GUX-xx	
	V1012iSLBDG					DC	CUR-xx	GUX-xx
	V1010iS		10.4" 800 × 600 Analog resistance film		AC	CUR-xx	_	
	V1010iSDC						CUR-xx	_
	V1010iSLDC				Light gray	DC	CUR-xx	_
	V1010iSRDC						CUR-xx	_
	V1010ISRDC					AC	CUR-xx	_
						AC		_
	V1010iSBDC				Black *1	DC	CUR-xx	
	V1010iSLBDC	10.4"		Analog resistance film			CUR-xx	_
	V1010iSRBDC						CUR-xx	
	V1010iSG				Light gray	AC	CUR-xx	GUX-xx
	V1010iSDG					DC	CUR-xx	GUX-xx
	V1010iSLDG					DC	CUR-xx	GUX-xx
	V1010iSBG					AC	CUR-xx	GUX-xx
	V1010iSBDG				Black *1	DO	CUR-xx	GUX-xx
	V1010iSLBDG					DC	CUR-xx	GUX-xx
	V1008iSDC						CUR-xx	_
	V1008iSLDC				Light gray		CUR-xx	_
	V1008iSRDC				Light gray		CUR-xx	_
	V1008iSBDC					1	CUR-xx	_
	V1008ISLBDC V1008ISLBDC				Di1-+1			_
		8.4"	800 × 600	Analog resistance film	Black *1	D0	CUR-xx	_
	V1008iSRBDC			_		DC	CUR-xx	
	V1008iSDG				Light gray		CUR-xx	GUX-xx
	V1008iSLDG				3 3 3		CUR-xx	GUX-xx
	V1008iSBDG				Black *1		CUR-xx	GUX-xx
	V1008iSLBDG				Diack		CUR-xx	GUX-xx
	TS4150i	15.6" wide	1366 × 768			DC	_	_
T0 45	TS4120i	12.1" wide	1280 × 800		C:1 *2	DC	_	_
TS4000	TS4100i	10.1" wide	1024 × 600	Analog resistance film	Silver *2	DC	_	_
	TS4070i	7.0" wide	800 × 480			DC	_	_
	X1151iSD						_	_
	X1151iSRD	15 6" wido	1920 × 1080			DC		_
		15.6" wide	1920 X 1000	PCAP		DC		_
X1	X1152iSD			(Capacitive type)	Black	-		
	X1121iSD			(Capacitive type)				-
	X1121iSRD	12.1" wide	1280 × 800			DC		_
	X1122iSD							_
	TS2060i	5.7"	320 × 240	Analog resistance film	Plank	DC	CUR-xx *3	-
TCOOOO		0.7	320 × 240	Analog resistance illm	Black	DO		
TS2000	TS2060			· ·			_	_
TS2000 V808CH	TS2060 V808iCH = *4	7.5"	640 × 480	Analog resistance film	Black	DC		

^{*1} The rear case is light gray. *2 The case is black. *3 "DUR-00" and "CUR-xx" cannot be attached at the same time.

^{*4} Models vary depending on the key switch and deadman switch specifications. Please contact us.

Model	Product
SOFT MONITOUCH	
TELLUS and V-Server	TELLUS and V-Server license (Password validation)
TELLUS-HMI	TELLUS-HMI license (Password validation)
TELLUS-HMI iPad	TELLUS-HMI iPad license (Password validation)
TELLUS-Remote	TELLUS-Remote license (Password validation)
V-Server	V-Server license (Password validation)
TELLUS and V-Server USB Key	TELLUS and V-Server license (USB license key)
TELLUS-HMI USB Key	TELLUS-HMI license (USB license key)
TELLUS-Remote USB Key	TELLUS-Remote license (USB license key)
Web Machine interface VPN remote access service	
VPN-V	Value type 1st year (Max. 10 stations)
VPN-S	Simple type 1st year (Max. 30 stations)
VPN-W	Wide type 1st year (Max. 100 stations)
VPN-E	Extra type 1st year (Unlimited stations)
VPN-VR	Value type renewal fee (Max. 10 stations)
VPN-SR	Simple type renewal fee (Max. 30 stations)
VPN-WR	Wide type renewal fee (Max. 100 stations)
VPN-ER	Extra type renewal fee (Unlimited stations)

Optional Accessories List

MONITOUCH Smart Editor Single license - Download MONITOUCH Smart Editor Site license - Download	V10	TS4000 ✓	X1	TS2000	V808CH
	✓	,			
	,		✓	✓	✓
	✓	· √	√	√ ·	√ ·
MONITOUCH Smart Editor Single license - DVD	√		√	√ ·	√
MONITOUCH Smart Editor Site license - DVD	√	√	√	√	√
MONITOUCH Smart Editor DVD for Version upgrade	√	√	√	√	√ ·
		V			√
V-3F1 Vel.0 Single license - DVD	V		V	V	V
Causan tunanfay aphila (2m)					
		,			
		√			
	✓			✓	
Barcode reader cable (3m)	✓			✓	
Fuji Electric SPH ⁻³ , SPB CPU (RJ45) RS-485 (4-wire type)	✓	✓		√ *2	
	✓	✓		√ *2	
	✓	✓		√ *2	
Fuji Electric SPF CPU (Mini DIN4) RS-232C	✓	√ *4		√ *2	
	✓	√ *4		√ *2	
, ,	✓	√ *4		√ *2	
	✓	✓		√ *2	
	✓	✓		√ *2	
MITSUBISHI ELECTRIC A series / QnA series CPU (Dsub25) RS-422 MITSUBISHI ELECTRIC Q series CPU (Mini DIN6) RS-232C	✓	√		√ *2	
	✓	√		√ *2	
	✓	√		√ *2	
	_	√ *4		√ *2	
	1	J *4		/ *2	
		-			
		-			
		-		-	
MITSUBISHI ELECTRIC		-			
link unit (Dsub9) RS-232C					
-	✓	✓			
MITCHELLE ECTRIC	✓	√		-	
FX series CPU (Mini DIN8) RS-422	✓	✓		√ *2	
	✓	✓		√ *2	
	✓	✓		√ *2	
Dsub9-Dsub25 conversion cable (0.3m)	✓			√ *2	
RS-232C conversion cable for replacement of V9/V8 with TS4000 (0.3m)		✓			
RS-485 conversion cable for replacement of V9/V8 with TS4000 (0.3m)		✓			
RS-232C conversion cable for replacement of TS2000 with TS4000 (0.3m)		✓			
RS-422/485 conversion cable for replacement of TS2000 with TS4000 (0.3m)		✓			
V808CH external connection cable (3m)					✓
V808CH external connection cable (5m)					✓
V808CH external connection cable (15m)					✓
V808CH external connection cable (20m)					✓
Waterproof gasket (for TS4150i)		√			
	V-SFT Ver.6 Single license - DVD Screen transfer cable (3m) USB-A extension cable (1m) Multi-link 2 master cable (3m) Temperature controller cable (3m) Temperature controller cable (5m) Temperature controller cable (5m) Temperature controller cable (10m) Barcode reader cable (3m) Fuji Electric SPH-3, SPB CPU (RJ45) RS-485 (4-wire type) Fuji Electric SPF CPU (Mini DIN4) RS-232C MITSUBISHI ELECTRIC A series / QnA series CPU (Dsub25) RS-422 MITSUBISHI ELECTRIC G series CPU (Mini DIN6) RS-232C MITSUBISHI ELECTRIC Iink unit (Dsub9) RS-232C MITSUBISHI ELECTRIC Iink unit (Dsub9) RS-232C MITSUBISHI ELECTRIC FX series CPU (Mini DIN8) RS-232C MITSUBISHI ELECTRIC FX series CPU (Mini DIN8) RS-422 MITSUBISHI ELECTRIC Iink unit (Dsub9) RS-232C MITSUBISHI ELECTRIC FX series CPU (Mini DIN8) RS-422 Dsub9-Dsub25 conversion cable (0.3m) RS-232C conversion cable for replacement of V9/V8 with TS-4000 (0.3m) RS-232C conversion cable for replacement of V9/V8 with TS-4000 (0.3m) RS-422(485 conversion cable for replacement of TS2000 with TS-4000 (0.3m) V808CH external connection cable (5m) V808CH external connection cable (5m)	V-SFT Ver.6 Single license - DVD	V-SFT Ver & Single license - DVD	V-SFT Ver.6 Single license - DVD	V. SET Vor. 6 Single license - DVD

Model	Product	V10	TS4000	X1	TS2000	V808CH
Communication Units	1,0000	7.10	10.000	7.1	102000	
CUR-00	OPCN-1 (For V10/TS2060i)	√			√ *5	
CUR-01	T-Link (For V10/TS2060i)	✓ ✓			√ *5	
CUR-02		√			√ *5	
	CC-Link (For V10/TS2060i)				√ *5	
CUR-03	Ethernet (For V10/TS2060i)	√			√ *5	
CUR-04	PROFIBUS-DP (For V10/TS2060i)	√				
CUR-06	SX-bus (For V10/TS2060i)	√			√ *5	
CUR-07	DeviceNet (For V10/TS2060i)	√			√ *5	
CUR-08	FL-net (For V10/TS2060i)	√			√ *5	
CUR-09	EtherCAT (For V10)	✓			√ *5	
Expansion Units *6			T T			
GUX-00	Video input 4CH	✓				
GUX-01	RGB input 1CH	√				
GUX-02	RGB output 1CH	✓				
GUX-04	Video input 1CH	✓				
GUX-10	Video input 2CH + RGB input 1CH	✓				
GUX-11	RGB input 2CH	✓				
DUR-00	Optional unit for V907xiW/V9060iTD/TS2060i				√ *5	
Serial Expansion I/O Unit						
V-I/O	Serial expansion I/O unit for V10/TS4000/TS2000	✓	✓		✓	
Communication Terminal Bloc	k					
TC-D9	Terminal converter for V10/TS4000/TS2000	✓	✓		✓	
Battery			<u>'</u>			
V9-BT	Replacement battery for V10	✓				
X1-BT	Replacement battery for X1			✓		
TS-BT	Replacement battery for TS4000/TS2000		√		√	
V7-BT	Replacement battery for V808CH					√
Protection Sheets (5 sheets pe	er set)			ı		
V1015S-GS	Protection sheet for V1015iS	√				
V1015S-GSN10	Protection sheet for V1015iS (Non-glare)	✓				
V1012S-GS	Protection sheet for V1012iS	√ ·				
V1012S-GSN10	Protection sheet for V1012iS (Non-glare)	√				
V1010S-GS	Protection sheet for V1010iS	√				
V1010S-GSN10	Protection sheet for V1010iS (Non-glare)	√				
V1008S-GS						
	Protection sheet for V1008iS Protection sheet for V1008iS (Non-glare)	√				
V1008S-GSN10	Protection sheet for TS4150	✓	,			
TS4150S-GS			√			
TS4150S-GSN10	Protection sheet for TS4150 (Non-glare)		√			
TS4120S-GS	Protection sheet for TS4120		√			
TS4120S-GSN10	Protection sheet for TS4120 (Non-glare)		√			
TS4100S-GS	Protection sheet for TS4100		√			
TS4100S-GSN10	Protection sheet for TS4100 (Non-glare)		√			
TS4070S-GS	Protection sheet for TS4070		✓			
TS4070S-GSN10	Protection sheet for TS4070 (Non-glare)		✓			
V906T-GS	Protection sheet for TS2000				✓	
V906T-GSN10	Protection sheet for TS2000 (Non-glare)				✓	
V608CH-GSN10	Protection sheet for V808CH (Non-glare)					✓
Security Software						
X1-SS	USB media for X1 security function setup			✓		

^{*1} PLC connection cables other than those listed above are also available. Please contact us for more information.

*2 TS2060i+DUR-00 only. *3 Cannot be used with some CPU hardware versions. D9-FU-SPHCPU
M is required separately. Please contact us for more information.

*4 Conversion cable D9-COM2 is required. *5 Available for TS2060i only. *6 GUX-xx is only for use with V10 series G-type.



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WEB

www.monitouch.com



Various information regarding MONITOUCH.

- Questions
- FAQ page (useful for troubleshooting)
- Manual
- Upgrading configuration software, etc.







Global Sales Network

Our distributors are ready to support your worldwide business.

www.monitouch.com/site/distributors-e/distributors-oversea-01.html



To the purchasers

The warranty of this product is as follows, unless there are special instructions that state otherwise in the quote, contract, catalog, or specifications at the time of the quote or order.

The purpose or area of use may be limited, and a routine checkup may be required depending on the product. Please contact the distributor from which you purchased the product, or Fuji Electric/Hakko Electronics for further information.

Please conduct inspection of the product promptly upon purchase or delivery. Also, please give sufficient consideration to management and maintenance of the product prior to accepting it.

1 Period and Coverage of the Warranty

1-1 Period

- (1) The period of the warranty is effective until twenty-four (24) months from the date of manufacture printed on the plate.
- (2) The above period may not be applicable if the particular environment, conditions or frequency of use affects the lifetime of the product.
- (3) The warranty for the parts repaired by our service department is effective for six (6) months from the date of repair.

1-2 Coverage

- (1) If malfunction occurs during the period of warranty due to negligence on the part of Fuji Electric/Hakko Electronics, the malfunctioning parts are exchanged or repaired free of charge at the point of purchase or delivery. However, the warranty does not apply to the following cases:
 - The malfunction occurs due to inappropriate conditions, environment, handling or usage that is not specified in the catalog, instruction book or users'
 manual.
 - 2) The malfunction is caused by factors that do not originate in the purchased or delivered product.
 - 3) The malfunction is caused by another device or software design that does not originate in a Fuji Electric/Hakko Electronics product.
 - 4) The malfunction occurs due to an alteration or repair that was not performed by Fuji Electric/Hakko Electronics.
 - 5) The malfunction occurs because the expendable parts listed in the instruction book or catalog were not maintained or replaced in an appropriate manner.
 - 6) The malfunction occurs due to factors that were not foreseeable by the practical application of science and technology at the time of purchase or delivery.
 - 7) The malfunction occurs because the product is used for a purpose other than that for which it is intended.
- 8) The malfunction occurs due to a disaster or natural disaster that Fuji Electric/Hakko Electronics are not responsible for.
- (2) The warranty is only applicable to the single purchased and delivered product.
- (3) The warranty is only valid for the conditions stated in 1-1 (1) above. Any damage induced by the malfunction of the purchased or delivered product, including damage or loss to a device or machine and passive damage, is not covered by the warranty.

1-3 Malfunction Diagnosis

The initial diagnosis of malfunction is to be made by the purchaser. The diagnosis can be conducted by Fuji Electric/Hakko Electronics or our delegated service provider with due charge upon the request of the purchaser. The charge is to be paid by the purchaser at the rate stipulated in the rate schedule of Fuji Electric/Hakko Electronics.

2 Liability for Opportunity Loss

Regardless of the time of occurrence, Fuji Electric/Hakko Electronics are not liable for damage caused by factors that Fuji Electric/Hakko Electronis are not responsible for, opportunity loss on the part of the purchaser caused by the malfunction of a Fuji Electric/Hakko Electronics product, passive damage, damage due to a special situation regardless of whether it was foreseeable or not, or secondary damage, accident compensation, damage to products that were not manufactured by Fuji Electric/Hakko Electronics, or compensation towards other operations.

3 Period for Repair and Provision of Spare Parts after Production is Discontinued (Maintenance Period)

Discontinued models (products) can be repaired for seven (7) years from the date of discontinuation. Also, most spare parts used for repair are provided for seven (7) years from the date of discontinuation. However, some electric parts may not be available due to their short life cycle. In this case, it may be difficult to repair or provide the parts during the seven-year period. Please contact Fuji Electric/Hakko Electronics or our service providers for further information.

4 Delivery

Standard products that do not entail application setting or adjustment are regarded as received by the purchaser upon delivery. Fuji Electric/Hakko Electronics are not responsible for local adjustments and test runs.

5 Service

The price of the delivered or purchased products does not include the service fee for the technician. Please contact Fuji Electric/Hakko Electronics or our service providers for further information.

6 Scope of Application

The above contents shall be assumed to apply to transactions and product use in the country where a Fuji Electric/Hakko Electronics product is purchased. Please consult your local supplier or Fuji Electric/Hakko Electronics for details.