Fe Fuji Electric

Innovating Energy Technology

Programmable Operator Interface
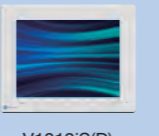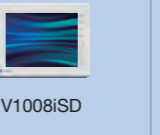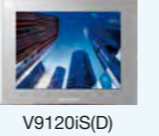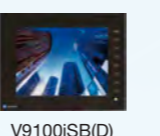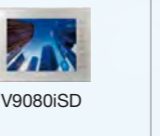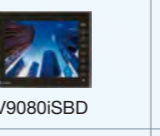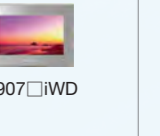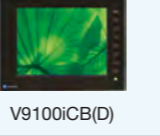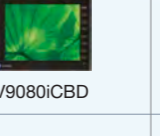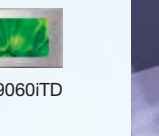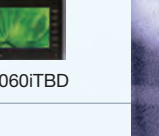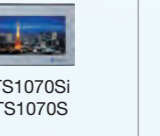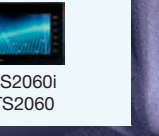
MONITOUCH

The new standard for high speed HMI

V10

STANDARD MODEL
Series

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

	15.6" wide	15.0"	12.1" wide	12.1"	10.4"	10.2" wide	10.1" wide	8.4"	7.5"	7.0" wide	5.7"
X1 Series Quad-core CPU Windows OS model	X115☐iSD		X112☐iSD								
V10 Series Quad-core CPU high performance model		Standard V1015iS(D) / V1015iSB(D)		Standard V1012iS(D) / V1012iSB(D)	Standard V1010iS(D) / V1010iSB(D)			Standard V1008iSD / V1008iSBD			
V9 Series High performance model		Standard V9150iX(D)		Standard V9120iS(D) / V9120iSB(D)	Standard V9100iS(D) / V9100iSB(D)		Advanced V910☐iWD	Standard V9080iSD / V9080iSBD		Advanced V907☐iWD	
				Lite V9100iC(D) / V9100iCB(D)				Lite V9080iCD / V9080iCBD			Lite V9060iTD / V9060iTBD
V8 Series Handy model								V808(i)CH			
TS1000S Series Basic model						TS1100Si				TS1070Si TS1070S	
TS2000 Series Basic model											TS2060i TS2060

MONITOUCH

Realizing smooth, stress-free operation with functions required for HMI

MONITOUCH V10

The chief reason to select the V10 series is its overwhelming performance against competitors.

Industry best performance [*1]

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).

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

✓ Rendering
Highest screen switching speed

✓ Operation
Quickest input response time

Reducing the stress of switching screens

Screen switching and rendering speed tripled [*2]
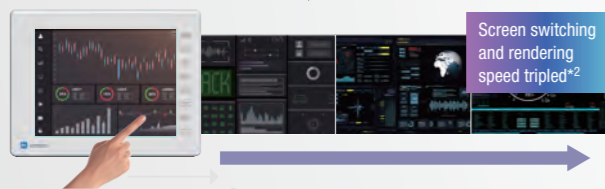
Smooth screen switching and continuous operation

✓ Start-up
Shortest startup time from power-on

✓ Transferring
Highest screen data transfer speed!!

Reducing the stress of wait time

One-third the startup time [*2]

Significant reduction in transfer time
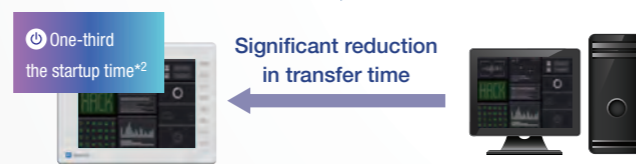
Reducing the wait time for startup and screen transfer

✓ Communication
Highest communication speed

Reducing the reading and writing time of multipoint data

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

✓ Custom Code
Highest processing speed for macro command execution!

Reducing stress in the operation of high-load screens

```
SYS (GET TIME)$u0216
$u02019=$u02016-$u02018(W)
$u02019=$u02016(W)
$u00003=01(OFF)
$u02032=$u02038(W)
$u02033=$u02030(W)
SYS (GET XY)$u02032
$u02021=$u02036(D)
```

Stable operation even for four arithmetic operations and logical operation in multiple lines, comparison and transfer

Minimal development cost in HMI replacement!

Software

V9 series

Smart Editor

Just select the V10 series in the model setting. Any screen data of the previous model is automatically converted to the V10 series.

V10 series

Full compatibility in software!

Hardware

Panel Cutout

V9 series

Panel cutout dimensions are the same for all models.

V10 series

Communication Units

Communication units are fully compatible! Communication units (CUR-xx) for V9 series can be used.

Full compatibility in hardware! [*3]

*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)

*3 Expansion units are incompatible with the current V10 series. Only the dedicated models for Video/RGB are compatible. Scheduled to be released in April 2025.

	15.0"	12.1"	10.4"	8.4"
	V1015iS `AC` V1015iSD `DC`	V1012iS `AC` V1012iSD `DC`	V1010iS `AC` V1010iSD `DC`	V1008iSD `DC`
	V1015iSB `AC` V1015iSBD `DC`	V1012iSB `AC` V1012iSBD `DC`	V1010iSB `AC` V1010iSBD `DC`	V1008iSBD `DC`

Advantages to use the V10 series

Operation / Communication

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

Start-up / Transfer

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

Compatibility

Fully compatible in panel cutout sizes and functions with existing V series!

Benefits for every department!

Designer

Start-up / Transfer
Reduced wait time for start-up and screen data transfer!

Compatibility
Reduced debugging time for system updates thanks to full compatibilities with previous models!

Operator

Start-up / Transfer
Reduced start-up wait time!

Operation / Communication
Smooth setup and operation is now possible!

Maintenance Engineer

Compatibility
Identical panel cutout size allows for easy updating from existing models.

Operation / Communication
Smooth screen switching enables quick location of the error source when troubleshooting.

Model	V1015iS	V1012iS	V1010iS	V1008iS
Display size	15.0"	12.1"	10.4"	8.4"
Display device	TFT color LCD	TFT color LCD	TFT color LCD	TFT color LCD
Resolution	1024×768	800×600	800×600	800×600
Colors	16.7 million[*1]	16.7 million[*1]	16.7 million[*1]	16.7 million[*1]
Touch switch	Analog resistance film	Analog resistance film	Analog resistance film	Analog resistance film
Screen memory (FROM)	256MB	256MB	256MB	256MB
Backup memory (SRAM)	900KB	900KB	900KB	900KB
Ethernet (LAN)	✓	✓	✓	✓
Extended cable LAN	△[*2]	△[*2]	△[*2]	△[*2]
Wireless LAN	△[*2]	△[*2]	△[*2]	△[*2]
Serial (D-Sub9 pin: CN1)	RS-232C/422/485	RS-232C/422/485	RS-232C/422/485	RS-232C/422/485
Serial (Modular 8 pin: MJ1/MJ2)	RS-232C/485	RS-232C/485	RS-232C/485	RS-232C/485
Communication I/F (CUR-XX)	✓	✓	✓	✓
SD card	✓	✓	✓	✓
USB (Type A)	✓	✓	✓	✓
USB (Type mini-B)	✓	✓	✓	✓
Sound output	✓	✓	✓	✓

*1 Picture and 3D parts only. Other parts are displayed in 65,536 colors. *2 Differs depending on the model.

Security Features

The V10 series makes it easy to manage operating authorities by user!

Before

PCs were introduced for security control, however…

Hard to manage

Complicated programs

Costly

Security control PC

After

Display and operation permission can be controlled for each operator by setting the security level. User IDs and passwords can be registered, changed or deleted on the V10 easily.

Up to 16 security levels can be set

Administrator Level 15

Maintenance manager Level 10

Operator Level 0

User access level
High ← Low

Security control PC unnecessary

Both management and operation are possible.
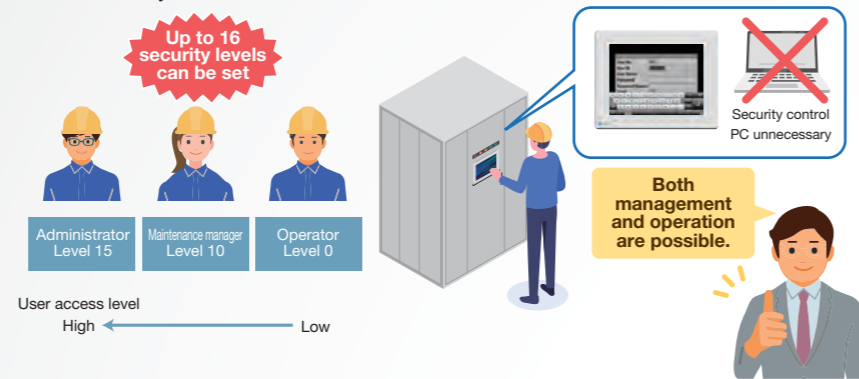
Operation Log Function

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

Before

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...

After

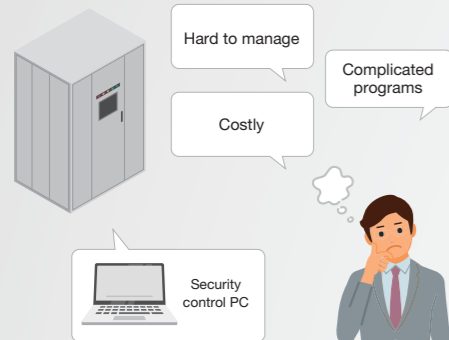Operators' activity and machine settings can be confirmed. Quick identification of the cause and early resolution of problems are possible, contributing to the improvement of yield rate and a decrease of defective products.

When I checked the log of when the defect occurred, I found that the problem was due to a mistake in the work procedure.

I will modify the manual and provide an explanation for the operator.
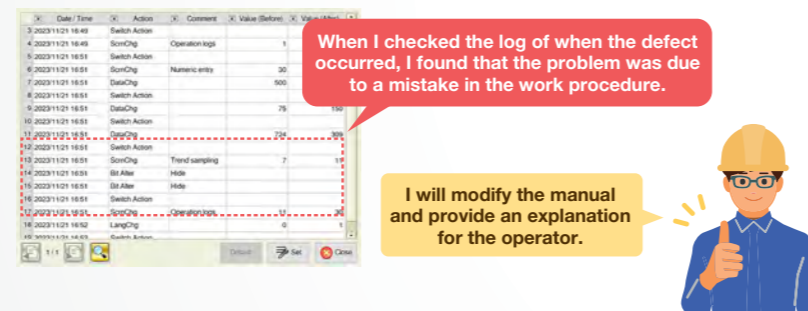
Reporting Function

Paperless operation contributes to carbon neutrality.

Before

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

Filing and searching take a lot of work… It's hard to read the data format…
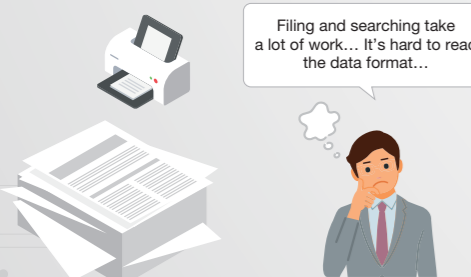
After

In the V10 series, data can be displayed in an easy-to-read format using graphs and meters, and PDF output is possible. It is also possible to output the data with an electronic handwritten signature.

PDF

Issued by
John Doe

PDF data sheets can be output during operation.

Paperless is possible.

Graphs and meters make it easy to understand visually.

Multi-page data can be output as a single PDF file, making file management easy.
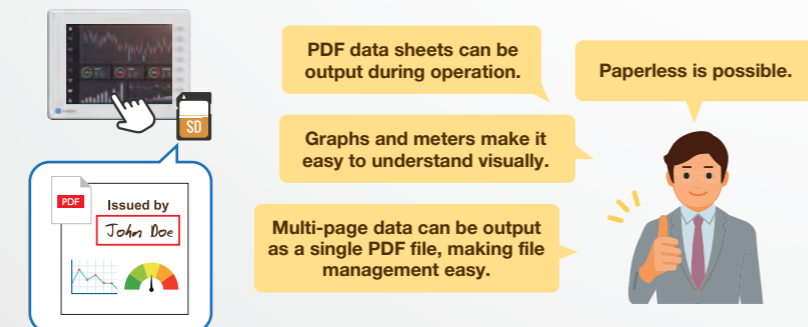
Event Recording Function

Cause of errors can be investigated by recording with a USB camera.

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.

USB camera

USB-A

MONITOUCH V10

SD   Error

Recording before and after the error

Error

Alarm signal

PLC

Video data can be replayed on an on-site touch panel.

Causes can be located easily.

Smooth operation is possible even while recording video.
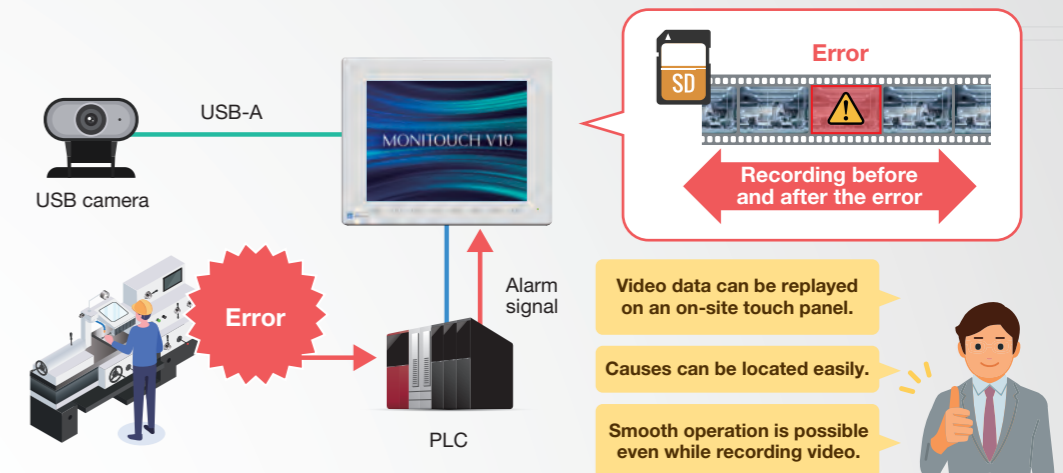
Network Cameras

Monitoring conditions in inaccessible areas ensures safety and improves operational efficiency.

Ethernet

Camera feeds displayed on the V10 series enable you to grasp the conditions in inaccessible areas in the system, leading to safety improvement and decreased accidents.
Viewing camera feeds is helpful when adjusting and checking the moving parts in large systems. Confirmation time and the number of operators can be reduced.

Camera feeds make it easier to grasp the situation.
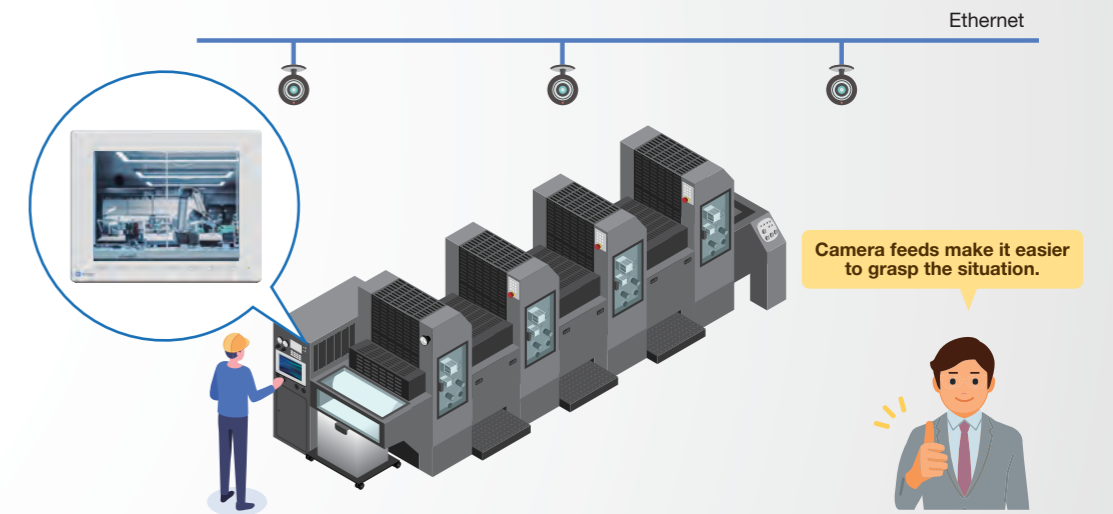
Video Playback

Operators can check the video manual on-site, improving understanding of operation procedures.

Video manuals can be viewed on the V10 series. Since operation procedures can be checked by viewing videos, operators can respond to errors and conduct maintenance work without depending on experienced workers. Quick response and restoration is possible.

Error

The video viewer boots quickly, and frame-by-frame playback is also smooth.

Recovery time is quicker than before.

8-way Communication

Reduce program design time and connection unit equipment costs.

Reduce the time required to design programs by having the V10 series 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 the V10 series.

PLC1

Not required

V10 series

PLC2

Not required

Drive / temperature controllers etc.
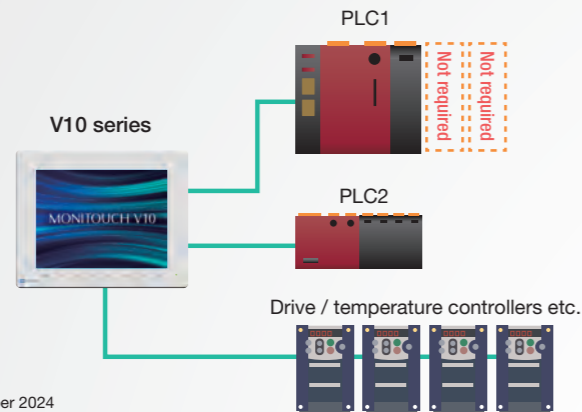
Industry-leading number of connectable devices*1

77 manufacturers 460 protocols*2

Connectable device list

https://monitouch.fujielectric.com/site/support-e/list27.html

*1 According to our research   *2 As of November 2024

VNC Server Function

Reduce debugging and maintenance time through remote monitoring and operation.

The V10 series screen can be viewed and operated via a tablet*3 or computer. When debugging or making adjustments, you can operate and check the V10 without being in front of it, saving significant time. Our "Simple Remote" VNC application is available free of charge, so you can rest assured regarding support.

Simple Remote
(VNC application)

Download Simple Remote

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

*3 A wireless router is required for models other than wireless LAN compatible models.

Trend Analysis

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

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…

Waveform monitor screen
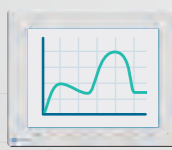
I want to compare it with past data, and also display the past production data in a graph…

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
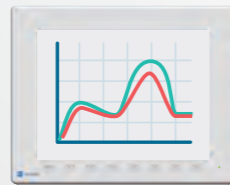
Even if you switch screens, the previous graphs are displayed superimposed, making it easy to understand changes in quality.

Scheduler Function

Prevent omission of work by scheduling function execution!

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.

Ethernet

Back up to host

AUG
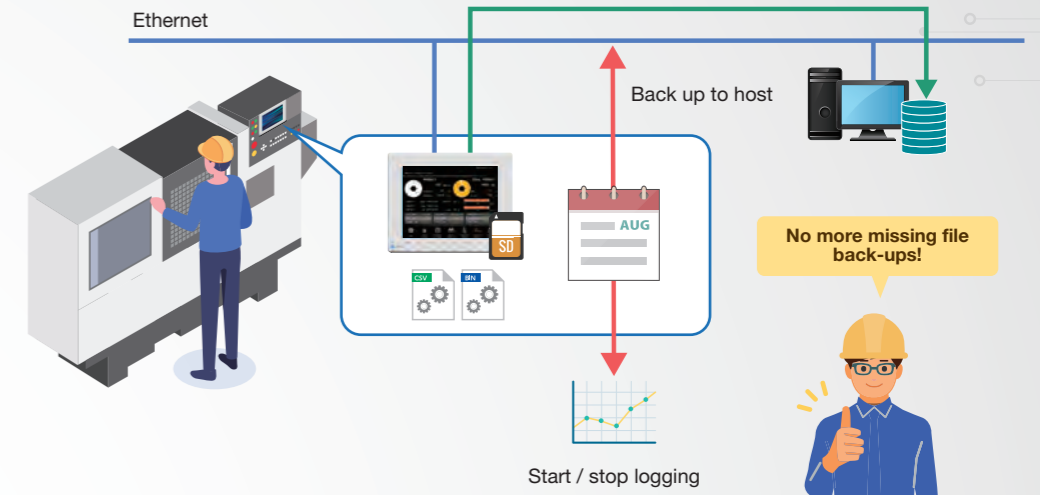
No more missing file back-ups!

Start / stop logging

PDF Viewer

Immediately check manuals on-site, contributing to shortened recovery time.

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.

Error

PDF manual
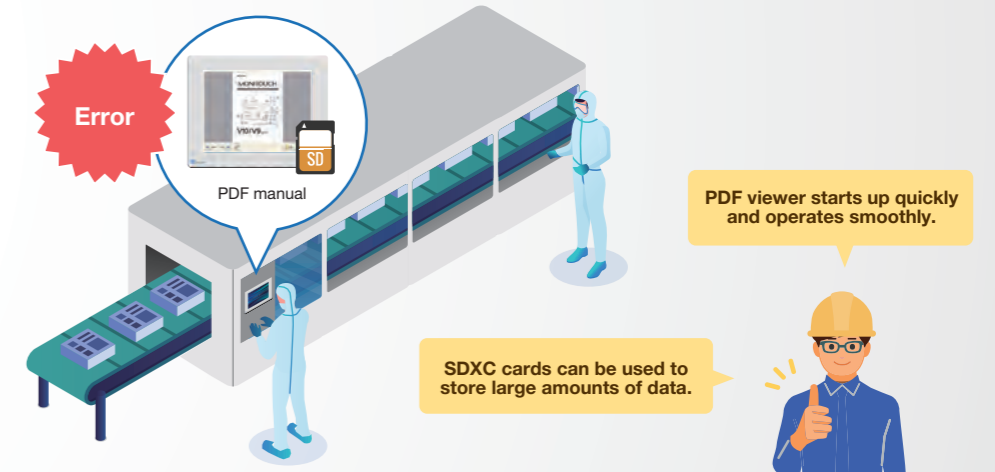
PDF viewer starts up quickly and operates smoothly.

SDXC cards can be used to store large amounts of data.

Scrolling Function

The entire system can be grasped by scrolling operation!

Before

Switching screens makes it difficult to understand the overall situation…

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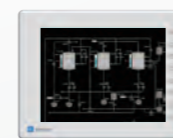
The whole picture doesn't fit to a screen…

After

You can display an area up to 4x the display size; scroll to understand the overall situation even on screens that require a large amount of information, such as an overall plant diagram or error displays for each process.

2x horizontally

2x vertically

V10 series
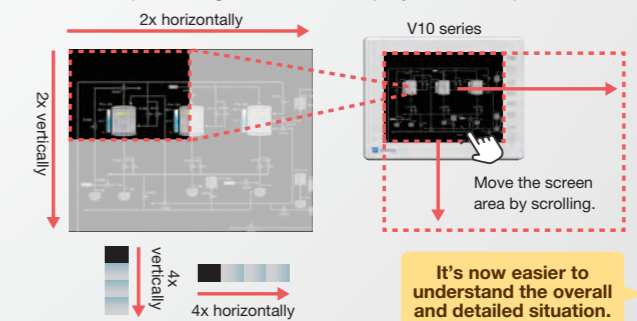
The smooth scrolling is great!

Move the screen area by scrolling.

4x vertically

4x horizontally

It's now easier to understand the overall and detailed situation.

General Specifications

Item		V1015iS	V1015iSD	V1012iS	V1012iSD	V1010iS	V1010iSD	V1008iSD
Power Supply	Rated Voltage	100~240V AC	24V DC	100~240V AC	24V DC	100~240V AC	24V DC	DC24V
	Permissible Range of Voltage	-15%, +10%	±10%	-15%, +10%	±10%	-15%, +10%	±10%	±10%
	Permissible Momentary Power Failure	Within 20ms (100VAC or higher)	Within 1ms	Within 20ms (100VAC or higher)	Within 1ms	Within 20ms (100V AC or higher)	Within 1ms	Within 1ms
	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 temperture 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 Resistance		Between AC external terminal and FG: 500V DC, 10MΩ or more Between DC external terminal and FG: 500V DC, 10MΩ or more						
Physical Environment	Operating Ambient Temperature	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						
	Operating Atmosphere	No exposure to corrosive gas or conductive dust						
	Storage Ambient Temperature	-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 Operating Conditions	Resistance to Oscillation	JIS B 3502 (IEC61131-2) compliant Vibration frequency 5 to 9Hz, Half amplitude: 3.5mm, 9 to 150Hz, Constant acceleration: 9.8m/s² (1G) X, Y, Z 3 directions 10 times each						
	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-p, pulse width: 1μs, pulse rise time: 1ns (by noise simulator)				
	Resistance to Static Discharge	IEC61000-4-2 compliant, Contact: 6kV, air: 8kV						
	Grounding	Grounding resistance: Less than 100Ω, FG/SG separation						
Installation Conditions	Structure	Protection structure: Front case: IP66, Type 4X/13*² (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 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 (display only)	Approx. 3.7kg		Approx. 2.6kg		Approx. 2.1kg		Approx. 1.4kg
Case	Color	Front case, Surface sheet: Light gray / Black (black model) Rear case: Light gray						
	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.
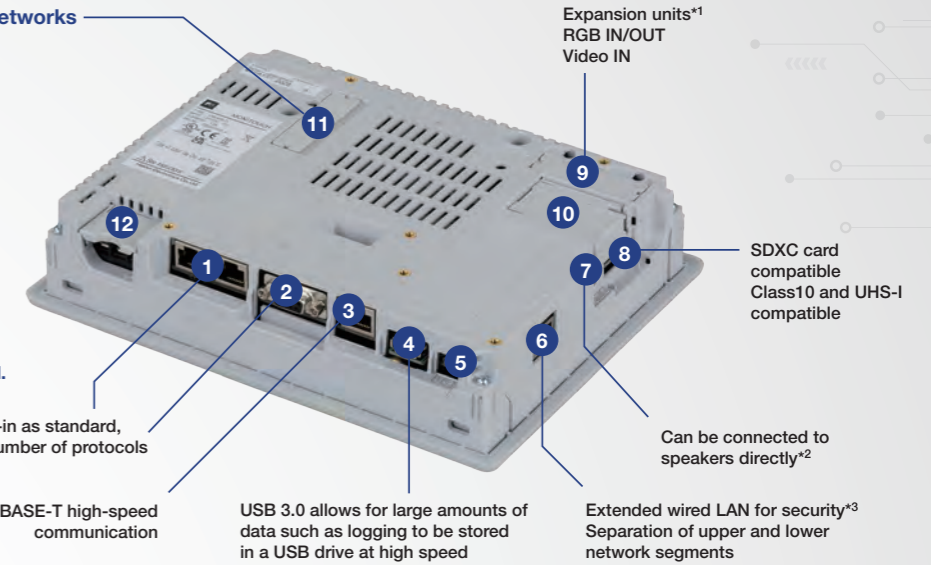
Performance Specifications

Item		V10 Standard			
		V1015iS	V1012iS	V1010iS	V1008iS
Screen Memory (FROM)		256MB			
Backup Memory (SRAM)		900KB			
Display	Display Device	TFT color			
	Resolution	1024×768	800×600		
	Display Size	15.0"	12.1"	10.4"	8.4"
	Display Colors	16.77 million colors *3			
	Backlight	LED			
	Backlight Life	Approx. 100,000 hours	Approx. 70,000 hours		
Touch Switch	Type	Analog resistance film			
Function Switch	Quantity	8			
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*4 bps			
	Modular 8-pin (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	1CH *5 IEEE802.3(10BASE-T)/IEEE802.3u(100BASE-TX)/IEEE802.3ab(1000BASE-T) compliant, Compatible with Auto-MDIX			
	Wireless LAN *6	IEEE802.11b/g/n compliant (2.4GHz band)			
	SD Card	Compatible with 1CH SD/SDHC/SDXC card (max. 2TB), Class10, UHS-I			
	USB	Type A(Ver.3.0) 1CH, Type mini-B(Ver.2.0) 1CH			
	Sound Output	1CH			
Clock	Backup Period	5 years (Ambient temperature 25°C)			
	Calendar Accuracy	Gap ±90 sec. per month (Ambient temperature 25°C, When the battery is backed up)			
Standard	CE-UKCA *7	EN61000-6-2, EN61000-6-4			
	UL-cUL *7	UL61010-1/UL61010-2-201(E313548), UL121201(E315977) *8*9			
	KC	Compatible			
	Radio Act *6 *7	MIC(Japan), FCC(USA), ISED(Canada), RE/UKCA(Europe), KC(South Korea)			
	Classification Standard *7 *10 *11	Nippon Kaiji Kyokai (NK), Lloyd's Register of Shipping (LR), American Bureau of Shipping (ABS), Det Norske Veritas (DNV)			

*3 For displaying pictures, 3D parts, video, and RGB input (excluding high-speed mode) only. Other parts are displayed in 65,536 colors. *4 Only for Siemens MPI. *5 2CH for extended wired LAN products.
*6 Wireless LAN compatible products only. *7 DC products only. *8 Hardware Ver. b or later. *9 For models incompatible with UL121201, please contact us. *10 Excluding wireless LAN compatible products. *11 Serial No.2312xxxxx or later.

Interface

Connection with a wide range of industrial networks

Model	Compatible network
CUR-00	OPCN-1
CUR-01	T-Link
CUR-02	CC-Link (Ver.1.10, Ver.2.00)
CUR-03	Ethernet (UDP/IP)
CUR-04	PROFIBUS-DP
CUR-06	SX-bus
CUR-07	DeviceNet
CUR-08	FL-net (Ver.2.00)
CUR-09	EtherCAT

Communication units for the V9 series can be used.

Expansion units*1 RGB IN/OUT Video IN

SDXC card compatible Class10 and UHS-I compatible

Can be connected to speakers directly*2

3CH serial ports are built-in as standard, 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 in a USB drive at high speed

Extended wired LAN for security*3 Separation of upper and lower network segments

① Modular jack (RJ45) x 2	② D-SUB 9 pin x 1	③ Wired LAN x 1	④ USB Type A Ver. 3.0 x 1	⑤ USB mini-B Ver. 2.0 x 1
⑥ Extended wired LAN*3 x 1	⑦ Audio jack x 1	⑧ SD Card x 1	⑨ Expansion Units*1	⑩ Battery V9-BT
⑪ Communication Units	⑫ Power supply terminal block			

*1 Compatible with the dedicated models for Video/RGB only. Scheduled to be released in April 2025.   *2 A separate amplifier is required.   *3 Extended wired LAN products only.

Dimensions

V1015iS   (Unit: mm)

Rear view   Side view   Front view

368.4   71.2   382.8

288.4   312.8

8.0

Bottom view

79.2

Panel cutout

369.4 +0.5/-0

299.4 +0.5/-0

V1012iS   (Unit: mm)

Rear view   Side view   Front view

312.0   46.4   327.8

245.2   261.0

7.0

Bottom view

53.4

Panel cutout

313.0 +0.5/-0

246.2 +0.5/-0

V1010iS   (Unit: mm)

Rear view   Side view   Front view

288.0   47.8   303.8

215.2   231.0

6.0

Bottom view

53.8

Panel cutout

289.0 +0.5/-0

216.2 +0.5/-0

V1008iS   (Unit: mm)

Rear view   Side view   Front view

219.5   42.7   235.0

164.5   180.0

6.0

Bottom view

48.7

Panel cutout

220.5 +0.5/-0

165.5 +0.5/-0
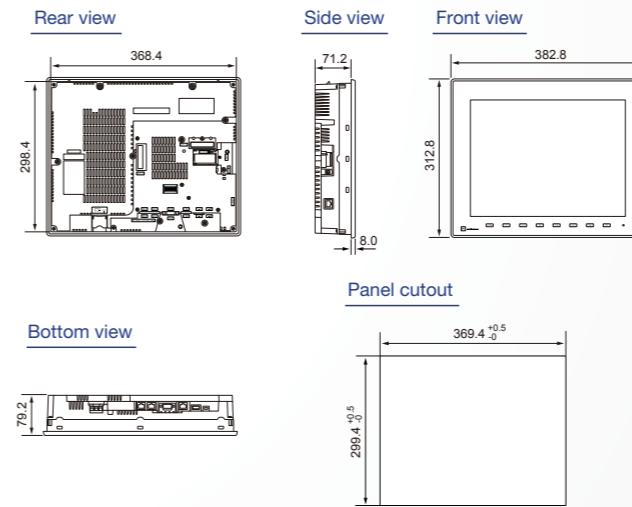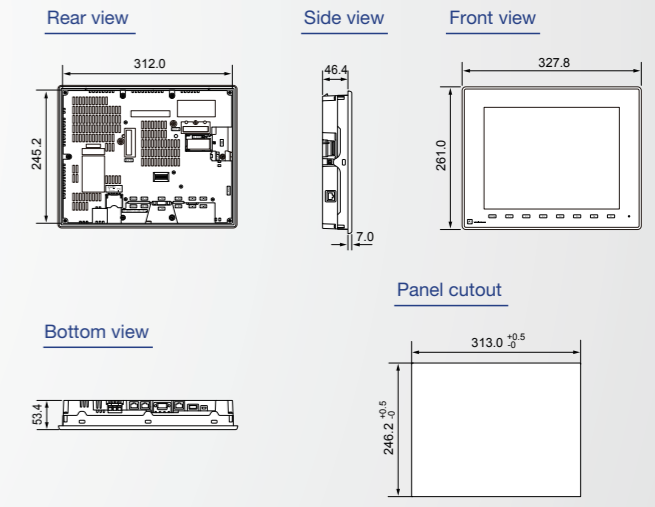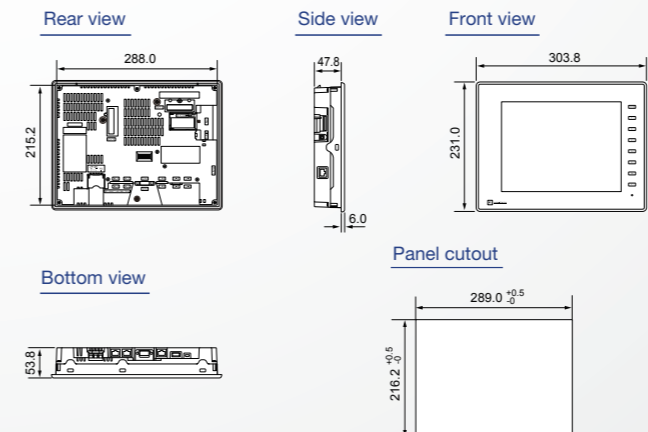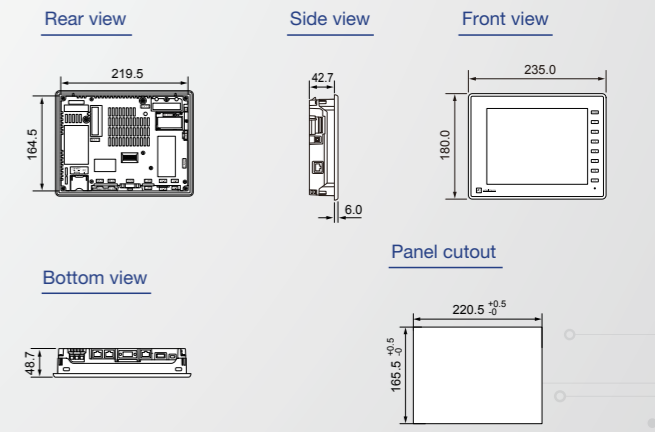
Screen creation has evolved from "learned" to "intuitive" with our smart configuration software.

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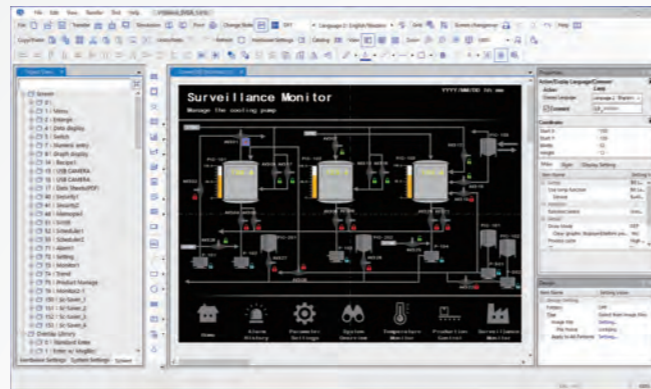
The user interface has been completely redesigned to enable stress-free, intuitive screen creation.

- Centralized configuration
- Reduced man-hours
- Improved visibility
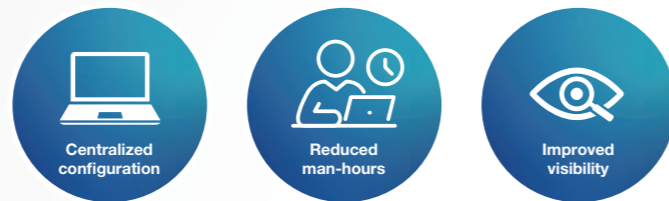
Centralized configuration
Screen elements and properties that are easy to configure

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.

Properties

[Hardware settings]
[System settings]
[Screen]
Project View

Design Properties
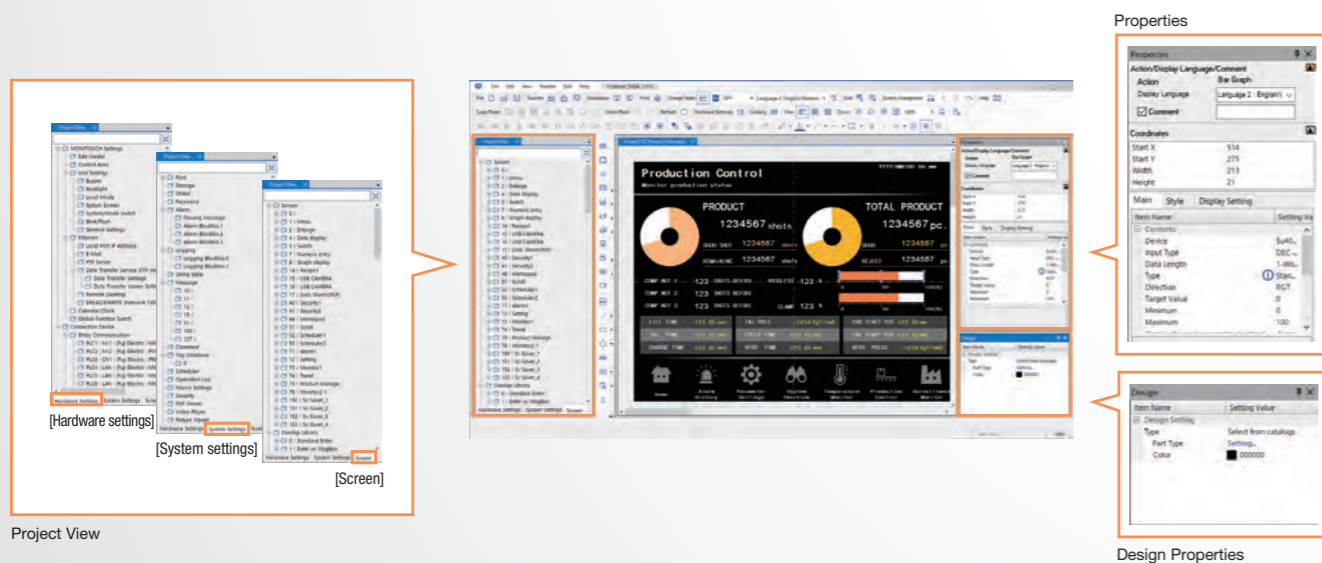
✓ Configuration, from the entire project to individual screens, is consolidated into Project View, and individual settings into Properties.
The flow of left to right enables quick, intuitive configuration.

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

Speedy start-up

Speedy screen data transfer

✓ Minimal wait time for start-up and screen data transfer drastically improving operational efficiency

Improved visibility
Hardware settings for intuitive configuration and checking of connected devices
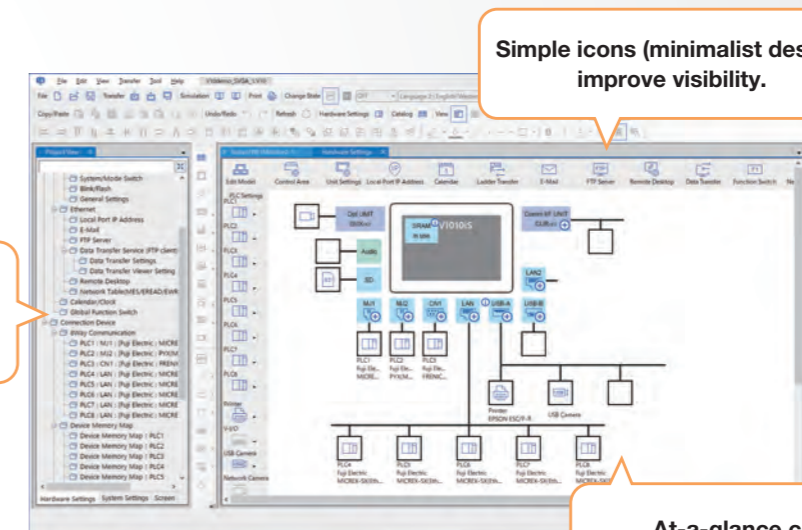
Simple icons (minimalist design) improve visibility.

The configuration of connected devices can also be checked in Project View.

At-a-glance configuration! Device and parameter configuration can be checked intuitively, making easy maintenance.

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

System Requirements

PC	PC/AT compatible computer running Windows
OS	Windows 10 (32bit, 64bit) Windows 11 (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: 5.0 GB or more
Disc drive	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)

Product Details

Model	Display Size	Resolution	Touch Screen	Case Color	Power Supply	Video/RGB*1	AUDIO Output	Wireless LAN	Extended Wired LAN	UL61010	UL121201*2	CE/UKCA	KC	Radio Act	Classification Standard*3	Delivery Standard: ✓ / Made to order: △
V1015iS	15.0"	1024×768	Analog resistance film	Light gray	AC	—	✓	—	—	—	—	—	✓	—	—	✓
V1015iSD					DC	—	✓	—	—	✓	✓	✓	✓	—	✓	✓
V1015iSLD					DC	—	✓	—	✓	✓	✓	✓	✓	—	✓	△
V1015iSRD					DC	—	✓	✓	—	✓	✓	✓	✓	✓	—	△
V1015iSB				Black*4	AC	—	✓	—	—	—	—	—	✓	—	—	△
V1015iSBD					DC	—	✓	—	—	✓	✓	✓	✓	—	✓	△
V1015iSLBD					DC	—	✓	—	✓	✓	✓	✓	✓	—	✓	△
V1015iSRBD					DC	—	✓	✓	—	✓	✓	✓	✓	✓	—	△
V1012iS	12.1"	800×600	Analog resistance film	Light gray	AC	—	✓	—	—	—	—	—	✓	—	—	✓
V1012iSD					DC	—	✓	—	—	✓	✓	✓	✓	—	✓	✓
V1012iSLD					DC	—	✓	—	✓	✓	✓	✓	✓	—	✓	△
V1012iSRD					DC	—	✓	✓	—	✓	✓	✓	✓	✓	—	△
V1012iSB				Black*4	AC	—	✓	—	—	—	—	—	✓	—	—	△
V1012iSBD					DC	—	✓	—	—	✓	✓	✓	✓	—	✓	△
V1012iSLBD					DC	—	✓	—	✓	✓	✓	✓	✓	—	✓	△
V1012iSRBD					DC	—	✓	✓	—	✓	✓	✓	✓	✓	—	△
V1010iS	10.4"	800×600	Analog resistance film	Light gray	AC	—	✓	—	—	—	—	—	✓	—	—	✓
V1010iSD					DC	—	✓	—	—	✓	✓	✓	✓	—	✓	✓
V1010iSLD					DC	—	✓	—	✓	✓	✓	✓	✓	—	✓	△
V1010iSRD					DC	—	✓	✓	—	✓	✓	✓	✓	✓	—	△
V1010iSB				Black*4	AC	—	✓	—	—	—	—	—	✓	—	—	△
V1010iSBD					DC	—	✓	—	—	✓	✓	✓	✓	—	✓	△
V1010iSLBD					DC	—	✓	—	✓	✓	✓	✓	✓	—	✓	△
V1010iSRBD					DC	—	✓	✓	—	✓	✓	✓	✓	✓	—	△
V1008iSD	8.4"	800×600	Analog resistance film	Light gray	DC	—	✓	—	—	✓	✓	✓	✓	—	✓	✓
V1008iSLD					DC	—	✓	—	✓	✓	✓	✓	✓	—	✓	△
V1008iSRD					DC	—	✓	✓	—	✓	✓	✓	✓	✓	—	△
V1008iSBD				Black*4	DC	—	✓	—	—	✓	✓	✓	✓	—	✓	△
V1008iSLBD					DC	—	✓	—	✓	✓	✓	✓	✓	—	✓	△
V1008iSRBD					DC	—	✓	✓	—	✓	✓	✓	✓	✓	—	△

*1 Compatible with Video/RGB models only. Scheduled to be released in April 2025. *2 Hardware Ver.b or later. For models incompatible with UL121201, please contact us. *3 Serial No. 2312xxxxx or later *4 The rear case is light gray.

Model

V10 □□ iS □□□

- **Screen size** — 15: 15.0", 12: 12.1", 10: 10.4", 08: 8.4"
- **Model type** — S: Standard
- **Functions** — N/A: Standard, L: With extended wired LAN, R: With wireless LAN
- **Front case color** — N/A: Light gray, B: Black
- **Power supply** — N/A: 100-240V AC, D: 24V DC

Optional Accessories List

Model	Product	V1015iS	V1012iS	V1010iS	V1008iS
Configuration Software					
SMED-DVD	MONITOUCH Smart Editor Single license	✓	✓	✓	✓
SMED-DVD-L□□*1	MONITOUCH Smart Editor Multiple license	✓	✓	✓	✓
SMED-DVD-SL	MONITOUCH Smart Editor Site license	✓	✓	✓	✓
SMED-DVD-VUP	MONITOUCH Smart Editor DVD for Version upgrade	✓	✓	✓	✓
V-SFT-6	V-SFT Ver. 6 Single license	✓	✓	✓	✓
Communication Units					
CUR-00	OPCN-1 (For V10/V9/TS2060i)	✓	✓	✓	✓
CUR-01	T-Link (For V10/V9/TS2060i)	✓	✓	✓	✓
CUR-02	CC-Link (For V10/V9/TS2060i)	✓	✓	✓	✓
CUR-03	Ethernet (For V10/V9/TS2060i)	✓	✓	✓	✓
CUR-04	PROFIBUS-DP (For V10/V9/TS2060i)	✓	✓	✓	✓
CUR-06	SX-bus (For V10/V9/TS2060i)	✓	✓	✓	✓
CUR-07	DeviceNet (For V10/V9/TS2060i)	✓	✓	✓	✓
CUR-08	FL-net (For V10/V9/TS2060i)	✓	✓	✓	✓
CUR-09	EtherCAT (For V10/V9)	✓	✓	✓	✓
Cables*2					
V-CP	Screen transfer cable (3m)	✓	✓	✓	✓
UA-FR	USB-A extension cable (1m)	✓	✓	✓	✓
V6-MLT	Multi-link 2 master cable (3m)	✓	✓	✓	✓
V6-TMP	Temperature controller cable (3m)	✓	✓	✓	✓
V6-TMP-5M	Temperature controller cable (5m)	✓	✓	✓	✓
V6-TMP-10M	Temperature controller cable (10m)	✓	✓	✓	✓
V6-BCD	Barcode reader cable (3m)	✓	✓	✓	✓
D9-FU-SPBCPU-2M	Fuji Electric SPH*3, SPB CPU (RJ45) RS-485 (4-wire connection)	✓	✓	✓	✓
D9-FU-SPBCPU-3M		✓	✓	✓	✓
D9-FU-SPBCPU-5M		✓	✓	✓	✓
D9-FU-SPFCPU-2M	Fuji Electric SPF CPU (Mini DIN4) RS-232C	✓	✓	✓	✓
D9-FU-SPFCPU-3M		✓	✓	✓	✓
D9-FU-SPFCPU-5M		✓	✓	✓	✓
D9-MB-CPUQ-2M	MITSUBISHI ELECTRIC A series / QnA series CPU (Dsub25) RS-422	✓	✓	✓	✓
D9-MB-CPUQ-3M		✓	✓	✓	✓
D9-MB-CPUQ-5M		✓	✓	✓	✓
D9-MB-CPUQ-10M		✓	✓	✓	✓
D9-MB-CPUQ-15M		✓	✓	✓	✓
D9-QCPU2-2M	MITSUBISHI ELECTRIC Q series CPU (Mini DIN6) RS-232C	✓	✓	✓	✓
D9-QCPU2-3M		✓	✓	✓	✓
D9-QCPU2-5M		✓	✓	✓	✓
D9-QCPU2-10M		✓	✓	✓	✓
D9-QCPU2-15M		✓	✓	✓	✓
D9-MI2-09-2M	MITSUBISHI ELECTRIC link unit (Dsub9) RS-232C	✓	✓	✓	✓
D9-MI2-09-3M		✓	✓	✓	✓
D9-MI2-09-5M		✓	✓	✓	✓
D9-MI2-09-10M		✓	✓	✓	✓
D9-MI2-09-15M		✓	✓	✓	✓
D9-MI4-FX-2M	MITSUBISHI ELECTRIC FX series CPU (Mini DIN8) RS-422	✓	✓	✓	✓
D9-MI4-FX-3M		✓	✓	✓	✓
D9-MI4-FX-5M		✓	✓	✓	✓
D9-MI4-FX-10M		✓	✓	✓	✓
D9-MI4-FX-15M		✓	✓	✓	✓
D9-D25	Dsub9-Dsub25 conversion cable (0.3m)	✓	✓	✓	✓
Serial Expansion I/O Unit					
V-I/O	Serial expansion I/O unit for V10/V9	✓	✓	✓	✓
Communication Terminal Block					
TC-D9	Terminal converter for V10/V9/TS2000/V8	✓	✓	✓	✓
Battery					
V9-BT	Replacement battery for V10/V9	✓	✓	✓	✓
Protection Sheets*4					
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				✓
V1008S-GSN10	Protection sheet for V1008iS (Non-glare)				✓

*1 "□" indicates the number of licenses.
*2 PLC connection cables other than those listed above are also available. Please contact us for more information.
*3 Cannot be used with some CPU hardware versions. D9-FU-SPHCPU-□M is required separately. Please contact us for more information.   *4 5 sheets per set.

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Various information
regarding MONITOUCH.

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

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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:

1) 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) 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.

⚠ Safety Considerations

- For safe operation, read the instruction manual or user manual that comes with the product carefully or consult the distributor from which you purchased the product, before using the product.
- 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.
- Customers, who want to use the products introduced in this catalog for special systems or devices such as for atomic-energy control, aerospace use, medical use, passenger vehicle, and traffic control, are requested to consult the Hakko Overseas Sales Section.
- Customers are requested to prepare safety measures when they apply the products introduced in this catalog to such systems or facilities that will affect human lives or cause severe damage to property if the products become faulty.
- For safe operation, wiring should be conducted only by qualified engineers who have sufficient technical knowledge about electrical work or wiring.

Notes to consider before purchasing

- Appearance and specifications are subject to modification without prior notice due to technical improvements.
- Colors in the catalog may differ from the actual colors due to printing inaccuracies.
- Consult your distributor or us for further information about products in this catalog.

Distributor