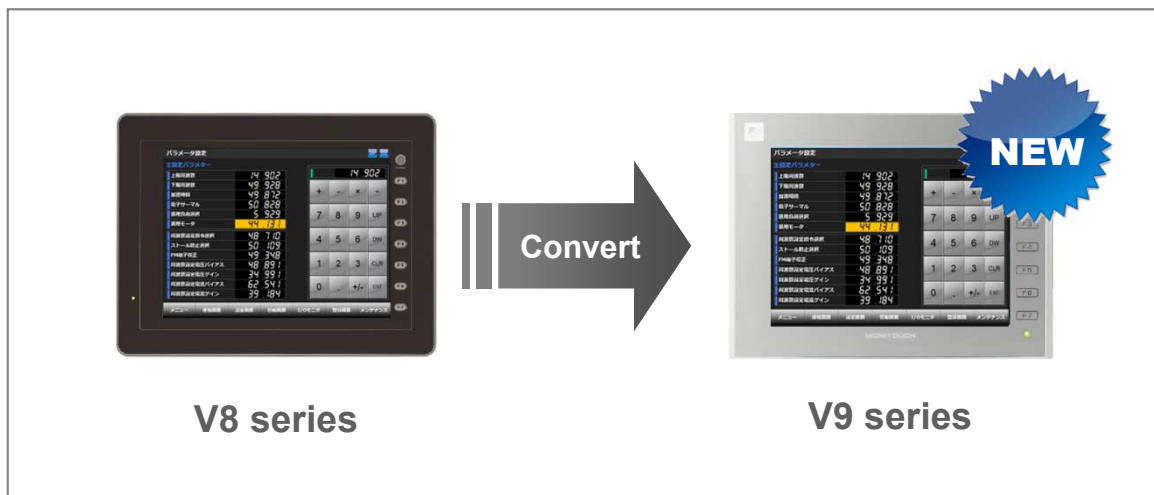


MONITOUCH

V9 Replacement Guidance [V8 series]



- List of V8 Series Models

Following is a list of models in V8 series.

Please check the model of V8 unit in use and then refer to the recommended replacement model described in this manual.

V815 i X □ (N)

- N: Only for communication unit 'CUN-xx'
- None: Only for communication unit 'CU-xx'
- None: AC100-240V
D: DC24V
- X: TFT color LCD, XGA
- i: High functional

V812 □ S □ □ (N)

- N: Only for communication unit 'CUN-xx'
- None: Only for communication unit 'CU-xx'
- None: AC100-240V
D: DC24V
- None: Analog resistive switch
M: Matrix resistive switch
- S: TFT color LCD, SVGA
- i: High functional
- None: Standard

V810 □ □ □ □ (N)

- N: Only for communication unit 'CUN-xx'
- None: Only for communication unit 'CU-xx'
- None: AC100-240V
D: DC24V
- None: Analog resistive switch
M: Matrix resistive switch*1
- S: TFT color LCD, SVGA
- T: TFT color LCD, VGA
- C: TFT color LCD, VGA
- i: High functional
- None: Standard

V808 □ □ D(N)

- N: Only for communication unit 'CUN-xx'
- None: Only for communication unit 'CU-xx'
- D: DC24V
- S: TFT color LCD, SVGA
- C: TFT color LCD, VGA
- i: High functional
- None: Standard

V806 □ □ D(N)

- N: Only for communication unit 'CUN-xx' and optional units 'DUN-10'
- None: Only for communication unit 'CU-xx' and optional units 'DU-10'
- D: DC24V
- T: TFT color LCD, QVGA
- C: TFT color LCD, QVGA
- M: TFT monochrome LCD, QVGA
- i: With a built-in LAN port, SRAM 512KB
- None: Without a built-in LAN port, SRAM 128KB

*1 Matrix type is not available for V810S.

- V815 Series: Recommended Replacement Model

		V815		Recommended Replacement Model	
		V815iX(N)	V815iXD(N)	V9150iX	V9150iXD
Unit	- Front View				
	- Panel Cutout (mm)				
Display device		TFT color			
Display colors		65,536 colors			
Resolution		1024 x 768 dots			
Touch switch		Analog			
Comm. I/F	Serial	D-Sub9pin :RS-232C / RS-422/485 MJ 8-pin (2-port) :RS-232C / RS-485		D-Sub9pin :RS-232C / RS-422/485 MJ 8-pin (2-port) :RS-232C / RS-485	
	USB	USB-A, USB-B			
	Ethernet	1CH			
	Network	Comm unit: CU-xx, CUN-xx			
Sound output		Optional unit: GU-00 - 03			
Video/RGB		Optional unit: GU-00 - 02, GU-10, GU-11			
Storage		CF card			
Power supply		AC100-240V	DC24V	AC100-240V	DC24V
		16.7mil colors *1 1CH as standard Comm unit: CUR-xx 1CH as standard Optional unit: GUR-00 - 02, GUR-10 - 11 SD/SDHC card, USB memory			

*1 Only for pictures, 3D parts and video display. 65,536 colors for other functions.

- V812 Series: Recommended Replacement Model

		V812iS/V812S Series			
		V812iS(N) V812S(N)	V812iSM(N) V812SM(N)	V812iSD(N) V812SD(N)	V812iSMD(N) V812SMD(N)
Unit	- Front View				
	- Panel Cutout (mm)	 313 ^{+0.5} / ₋₀ 246.2 ^{+0.5} / ₋₀			
Display device	TFT color				
Display colors	65,536 colors				
Resolution	800 x 600 dots				
Touch switch	Analog	Matrix	Analog	Matrix	
Comm. I/F	Serial	D-Sub9pin	:RS-232C / RS-422/485		
		MJ 8-pin (2-port)	:RS-232C / RS-485		
	USB	USB-A, USB-B			
	Ethernet	1CH ^{*1}			
Network	Comm unit: CU-xx, CUN-xx				
Sound output	Optional unit ^{*1} : GU-00 - 03				
Video/RGB	Optional unit ^{*1} : GU-00 - 02, GU-10, GU-11				
Storage	CF card				
Power supply	AC100-240V		DC24V		

		Recommended Replacement Model	
		V9120iS	V9120iSD
Unit	- Front View		
	- Panel Cutout (mm)	 313 ^{+0.5} / ₋₀ 246.2 ^{+0.5} / ₋₀	
Display device	TFT color		
Display colors	16.7mil colors ^{*2}		
Resolution	800 x 600 dots		
Touch switch	Analog ^{*3}		
D-Sub9pin	:RS-232C / RS-422/485		
	MJ 8-pin (2-port) :RS-232C / RS-485		
USB-A, USB-miniB			
1CH as standard			
Comm unit: CUR-xx			
1CH as standard			
Optional unit: GUR-00 - 02, GUR-10 - 11			
SD/SDHC card, USB memory			
AC100-240V	DC24V		

^{*1} Only for V812iS(N)/V812iSM(N)/V812iSD(N)/V812iSMD(N).

^{*2} Only for pictures, 3D parts and video display. 65,536 colors for other functions.

^{*3} it is not possible to push the two positions on the touch switch at the same time. However, it is possible to push the touch switch.

- V810iS/V810S Series: Recommended Replacement Model

		V810iS/V810S series			
		V810iS(N)	V810S(N)	V810iSD(N)	V810SD(N)
Unit	- Front View				
	- Panel Cutout (mm)	 289 ^{+0.5} / ₋₀ 216.2 ^{+0.5} / ₋₀			
Display device	TFT color				
Display colors	65,536 colors				
Resolution	800 x 600 dots				
Touch switch	Analog				
Comm. I/F	Serial	D-Sub9pin	:RS-232C / RS-422/485		
		MJ 8-pin (2-port)	:RS-232C / RS-485		
	USB	USB-A, USB-B			
	Ethernet	1CH ^{*1}			
Network	Comm unit: CU-xx, CUN-xx				
Sound output	Optional unit ^{*1} : GU-00 - 03				
Video/RGB	Optional unit ^{*1} : GU-00 - 02, GU-10, GU-11				
Storage	CF card				
Power supply	AC100-240V		DC24V		

		Recommended Replacement Model	
		V9100iS	V9100iSD
Unit	- Front View		
	- Panel Cutout (mm)	 289 ^{+0.5} / ₋₀ 216.2 ^{+0.5} / ₋₀	
Display device	TFT color		
Display colors	16.7mil colors ^{*2}		
Resolution	800 x 600 dots		
Touch switch	Analog		
D-Sub9pin	:RS-232C / RS-422/485		
	MJ 8-pin (2-port) :RS-232C / RS-485		
USB-A, USB-miniB			
1CH as standard			
Comm unit: CUR-xx			
1CH as standard			
Optional unit: GUR-00 - 02, GUR-10 - 11			
SD/SDHC card, USB memory			
AC100-240V	DC24V		

^{*1} Only for V810iS(N)/V810iSD(N).

^{*2} Only for pictures, 3D parts and video display. 65,536 colors for other functions.

- V810iT/V810T Series: Recommended Replacement Model

- With a "GU-xx" optional unit

		V810iT series			
		V810iT(N)	V810iTM(N)	V810iTD(N)	V810iTMD(N)
Unit	- Front View				
	- Panel Cutout (mm)	 289 ^{+0.5} ₋₀ (width) 216.2 ^{+0.5} ₋₀ (height)			
Display device	TFT color				
Display colors	65,536 colors				
Resolution	640 x 480 dots				
Touch switch	Analog	Matrix	Analog	Matrix	
Comm. I/F	Serial	D-Sub9pin :RS-232C / RS-422/485 MJ 8-pin (2-port) :RS-232C / RS-485			
	USB	USB-A, USB-B			
	Ethernet	1CH			
	Network	Comm unit: CU-xx, CUN-xx			
Sound output	Optional unit: GU-00 - 03				
Video/RGB	Optional unit: GU-00 - 02, GU-10, GU-11				
Storage	CF card				
Power supply	AC100-240V		DC24V		

		Recommended Replacement Model	
		V9100iS	V9100iSD
Unit	- Front View		
	- Panel Cutout (mm)	 289 ^{+0.5} ₋₀ (width) 216.2 ^{+0.5} ₋₀ (height)	
Display device	TFT color		
Display colors	16.7mil colors *1		
Resolution	800 x 600 dots *2		
Touch switch	Analog *3		
Comm. I/F	D-Sub9pin	:RS-232C / RS-422/485	
	MJ 8-pin (2-port)	:RS-232C / RS-485	
	USB	USB-A, USB-miniB	
	Network	1CH as standard	
Sound output	Comm unit: CUR-xx		
Video/RGB	1CH as standard		
Storage	Optional unit: GUR-00 - 02, GUR-10 - 11		
Power supply	AC100-240V		DC24V

*1 Only for pictures, 3D parts and video display. 65,536 colors for other functions.

*2 The resolution is SVGA. Please use screen auto-resize function when you change the edit model during screen configuration.

*3 it is not possible to push the two positions on the touch switch at the same time. However, it is possible to push the touch switch.

- Without "GU-xx" optional unit

		V810iT/V810T series			
		V810iT(N)	V810iTM(N)	V810iTD(N)	V810iTMD(N)
		V810T(N)	V810TM(N)	V810TD(N)	V810TMD(N)
Unit	- Front View				
	- Panel Cutout (mm)	 289 ^{+0.5} ₋₀ (width) 216.2 ^{+0.5} ₋₀ (height)			
Display device	TFT color				
Display colors	65,536 colors				
Resolution	640 x 480 dots				
Touch switch	Analog	Matrix	Analog	Matrix	
Comm. I/F	Serial	D-Sub9pin :RS-232C / RS-422/485 MJ 8-pin (2-port) :RS-232C / RS-485			
	USB	USB-A, USB-B			
	Ethernet	1CH *1			
	Network	Comm unit: CU-xx, CUN-xx			
Storage	CF card				
Power supply	AC100-240V		DC24V		

		Recommended Replacement Model	
		V9100iC	V9100iCD
Unit	- Front View		
	- Panel Cutout (mm)	 289 ^{+0.5} ₋₀ (width) 216.2 ^{+0.5} ₋₀ (height)	
Display device	TFT color		
Display colors	16.7mil colors *2		
Resolution	640 x 480 dots		
Touch switch	Analog *3		
Comm. I/F	D-Sub9pin	:RS-232C / RS-422/485	
	MJ 8-pin (2-port)	:RS-232C / RS-485	
	USB	USB-A, USB-miniB	
	Network	1CH as standard	
Sound output	Comm unit: CUR-xx		
Storage	SD/SDHC card, USB memory		
Power supply	AC100-240V		DC24V

*1 Only for V810iT(N)/V810iTM(N)/V810iTD(N)/V810iTMD(N).

*2 Only for pictures and 3D parts. 65,536 colors for other functions.

*3 it is not possible to push the two positions on the touch switch at the same time. However, it is possible to push the touch switch.

- V810iC/V810C Series Recommended Replacement Model

		V810iC/V810C Series			
		V810iC(N) V810C(N)	V810iCM(N) V810CM(N)	V810iCD(N) V810CD(N)	V810iCMD(N) V810CMD(N)
Unit	- Front View				
	- Panel Cutout (mm)	 289 ^{+0.5} / ₋₀ (width) 216.2 ^{+0.5} / ₋₀ (height)			
Display device	TFT color				
Display colors	65,536 colors				
Resolution	640 x 480 dots				
Touch switch	Analog	Matrix	Analog	Matrix	
Comm. I/F	Serial	D-Sub9pin		:RS-232C / RS-422/485	
		MJ 8-pin (2-port)		:RS-232C / RS-485	
	USB	USB-A, USB-B			
	Ethernet	1CH *1			
Network	Comm unit: CU-xx, CUN-xx				
Storage	CF card				
Power supply	AC100-240V		DC24V		

		Recommended Replacement Model			
		V9100iC	V9100iCD		
Unit	- Front View				
	- Panel Cutout (mm)	 289 ^{+0.5} / ₋₀ (width) 216.2 ^{+0.5} / ₋₀ (height)			
Display device	TFT color				
Display colors	16.7mil colors *2				
Resolution	640 x 480 dots				
Touch switch	Analog *3				
Comm. I/F	Serial	D-Sub9pin		:RS-232C / RS-422/485	
		MJ 8-pin (2-port)		:RS-232C / RS-485	
USB	USB-A, USB-miniB				
Ethernet	1CH as standard				
Network	Comm unit: CUR-xx				
Storage	SD card/SDHC card, USB memory				
Power supply	AC100-240V		DC24V		

*1 Only for V810iC(N)/V810iCM(N)/V810iCD(N)/V810iCMD(N).

*2 Only for pictures and 3D parts. 65,536 colors for other functions.

*3 It is not possible to push the two positions on the touch switch at the same time. However, it is possible to push the touch switch.

- V808 Series: Recommended Replacement Model

		V808iS/V808S Series			
		V808iSD(N)	V808SD(N)		
Unit	- Front View				
	- Panel Cutout (mm)	 220.5 ^{+0.5} / ₋₀ (width) 165.5 ^{+0.5} / ₋₀ (height)			
Display device	TFT color				
Display colors	65,536 colors				
Resolution	800 x 600 dots				
Touch switch	Analog				
Comm. I/F	Serial	D-Sub9pin		:RS-232C / RS-422/485	
		MJ 8-pin (2-port)		:RS-232C / RS-485	
	USB	USB-A, USB-B			
	Ethernet	1CH *1			
Network	Comm unit: CU-xx, CUN-xx				
Sound output	Optional unit *1 : GU-00 - 03				
Video/RGB	Optional unit *1 : GU-00 - 02, GU-10, GU-11				
Storage	CF card				
Power supply	DC24V				

		Recommended Replacement Model			
		V9080iSD			
Unit	- Front View				
	- Panel Cutout (mm)	 220.5 ^{+0.5} / ₋₀ (width) 165.5 ^{+0.5} / ₋₀ (height)			
Display device	TFT color				
Display colors	16.7mil colors *2				
Resolution	800 x 600 dots				
Touch switch	Analog				
Comm. I/F	Serial	D-Sub9pin		:RS-232C / RS-422/485	
		MJ 8-pin (2-port)		:RS-232C / RS-485	
USB	USB-A, USB-miniB				
Ethernet	1CH as standard				
Network	Comm unit: CUR-xx				
Sound output	1CH as standard				
Video/RGB	Optional unit: GUR-00 - 02, GUR-10 - 11				
Storage	SD card/SDHC card, USB memory				
Power supply	DC24V				

*1 Only for V808iSD(N).

*2 Only for pictures, 3D parts and video display. 65,536 colors for other functions.

		V808iC/V808C Series	
		V808iCD(N)	V808CD(N)
Unit	- Front View		
	- Panel Cutout (mm)	 220.5 ^{+0.5} ₋₀ (width) 165.5 ⁻⁰ _{-0.5} (height)	
Display device		TFT color	
Display colors		65,536 colors	
Resolution		640 x 480 dots	
Touch switch		Analog	
Comm. I/F	Serial	D-Sub9pin :RS-232C / RS-422/485 MJ 8-pin (2-port) :RS-232C / RS-485	
	USB	USB-A, USB-B	
	Ethernet	1CH	-
	Network	Comm unit: CU-xx, CUN-xx	
Storage		CF card	
Power supply		DC24V	

		Recommended Replacement Model	
		V9080iCD	
Unit	- Front View		
	- Panel Cutout (mm)	 220.5 ^{+0.5} ₋₀ (width) 165.5 ⁻⁰ _{-0.5} (height)	
Display device		TFT color	
Display colors		16.7mil colors *1	
Resolution		640 x 480 dots	
Touch switch		Analog	
D-Sub9pin		:RS-232C / RS-422/485	
MJ 8-pin (2-port)		:RS-232C / RS-485	
USB		USB-A, USB-miniB	
Ethernet		1CH as standard	
Network		Comm unit: CUR-xx	
Storage		SD/SDHC card, USB memory	
Power supply		DC24V	

*1 Only for pictures and 3D parts. 65,536 colors for other functions.

- V806 Series: Recommended Replacement Model

		V806i/V806 Series		
		V806iTD(N) V806TD(N)	V806iCD(N) V806CD(N)	V806iMD(N) V806MD(N)
Unit	- Front View			
	- Panel Cutout (mm)	 174 ^{+0.5} ₋₀ (width) 131 ⁻⁰ _{-0.5} (height)		
Display device		TFT color	TFT mono	
Display colors		65,536 colors	16-grayscale	
Resolution		320 x 240 dots		
Touch switch		Analog		
Comm. I/F	Serial	D-Sub9pin (with DU-10) :RS-232C / RS-422/485 MJ 8-pin (2-port) :RS-232C / RS-422/485 *1		
	USB	USB-A, USB-B		
	Ethernet	1CH *2		
	Network	Comm unit: CU-xx, CUN-xx		
Storage		CF card (with DU-10, DUN-10)		
Power supply		DC24V		

		Recommended Replacement Model	
		V9060iTD	
Unit	- Front View		
	- Panel Cutout (mm)	 174 ^{+0.5} ₋₀ (width) 131 ⁻⁰ _{-0.5} (height)	
Display device		TFT color	
Display colors		260K colors *3	
Resolution		640 x 480 dots *4	
Touch switch		Analog	
D-Sub9pin (with DUR-00)		:RS-232C / RS-422/485	
MJ 8-pin (2-port)		:RS-232C / RS-422/485 *1	
USB		USB-A, USB-miniB	
Ethernet		1CH as standard	
Network		Comm unit: CUR-xx	
Storage		SD/SDHC card (1CH as standard), USB memory	
Power supply		DC24V	

*1 MJ2 port supports RS422 with 4-wire system.

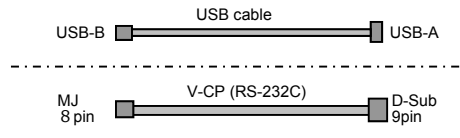
*2 Only for V806iTD(N)/V806iCD(N)/V806iMD(N).

*3 Only for pictures and 3D parts. 65,536 colors for other functions.

*4 Resolution is VGA. Please use screen auto-resize function when you change the edit model during screen configuration.

- Screen Program Transfer

- For V8 Series



[Configuration Software]

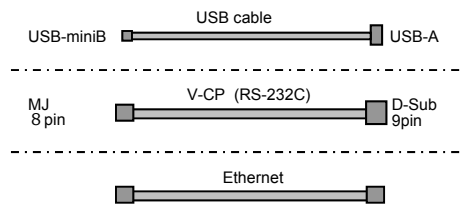
V-SFT-5 (Ver. 5)

Windows 98SE / NT4.0 / Me / 2000 /
XP / XP 64 Edition / Vista (32bit, 64bit) /
7 (32bit, 64bit) / 8 (32bit, 64bit) /
8.1 (32bit, 64bit) / 10 (32bit, 64bit)

* It is also possible to transfer a screen program via a CF card or Ethernet (in case of "I" model or CU(N)-03-3 unit connection.)



- For V9 Series



[Configuration Software]

V-SFT-6 (Ver. 6)

Windows XP / XP 64 Edition /
Vista (32bit, 64bit) / 7 (32bit, 64bit) /
8 (32bit, 64bit) / 8.1 (32bit, 64bit) /
10 (32bit, 64bit)

* It is also possible to transfer a screen program via an SD card or USB memory.

* V9's LAN port supports auto-MDIX so that you can use both straight and cross cable s, regardless of the use of a hub.

- Screen Program Conversion

If you have the screen program of V8 series unit, it is possible to convert the program from V8 series to V9 series using V-SFT-6 (configuration software for V series) .

However, it may not be possible to keep the screen program 100% compatible. The program may be somewhat limiting, or some of the functions may not be converted to meet the specifications of the new model.

* Above recommended models are the ones with less limitations . Replacement with other models than recommended types are also available to meet your system requirement.

Hakko Electronics Co., Ltd.

Overseas Sales Department

TEL : +81-76-274-2144
 FAX : +81-76-274-5136
 URL : <http://monitouch.fujielectric.com/>
 E-Mail : sales@hakko-elec.co.jp