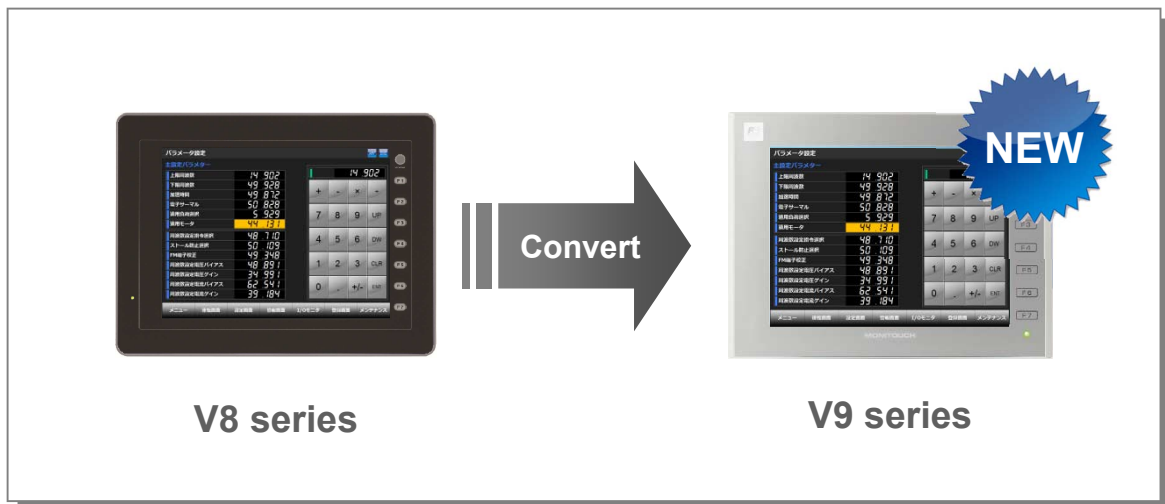


MONITOUCH

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 "picture" images, 3D parts, video images, and RGB display (when "GUR-10" or "GUR-11" is used). The other contents are displayed in 65,536 colors.

- 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 | 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/SDHC card, USB memory | | |
| Power supply | AC100-240V | DC24V | |

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

^{*2} Only for "picture" images, 3D parts, video images, and RGB display (when "GUR-10" or "GUR-11" is used). The other contents are displayed in 65,536 colors.

^{*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 | 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/SDHC card, USB memory | | |
| Power supply | AC100-240V | DC24V | |

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

^{*2} Only for "picture" images, 3D parts, video images, and RGB display (when "GUR-10" or "GUR-11" is used). The other contents are displayed in 65,536 colors.

- 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 | |
| | 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/SDHC card, USB memory | | |
| Power supply | AC100-240V | | DC24V |

*1 Only for "picture" images, 3D parts, video images, and RGB display (when "GUR-10" or "GUR-11" is used). The other contents are displayed in 65,536 colors.
 *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 | |
| | Ethernet | 1CH as standard | |
| Network | 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 | | |
| Storage | 1CH as standard | | |
| Optional unit | 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 "picture" images, 3D parts, video images, and RGB display (when "GUR-10" or "GUR-11" is used). The other contents are displayed in 65,536 colors.

| | | V808iC/V808C Series | |
|----------------|---------------------|--|-----------|
| | | V808iCD(N) | V808CD(N) |
| Unit | - Front View | | |
| | - Panel Cutout (mm) | | |
| 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) | | |
| 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) | | | |
| 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) | | |
| 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.

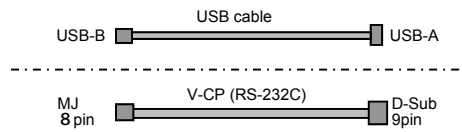
*2 Only for V806iTD(N)/V806iCD(N)/V806iMD(N).

*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]

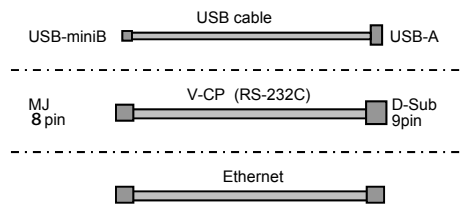
V-SFT-5 (Ver. 5)

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 cables, 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.

For details, refer to the V9 Series File Conversion Manual.

* The indicated recommended model for replacement can be used with minimal restrictions. Please note that other models not described here can also be used; make a selection according to your system requirements.

Hakko Electronics Co., Ltd.

Overseas Sales Dept.

TEL: +81-76-274-2144 FAX: +81-76-274-5136

<https://monitouch.fujielectric.com/>