

MONITOUCH



V8 Series Introduction



Fuji Electric Corp. of America



Table of contents

- V8 Concept
- V8 Line-up
- V8 Key Features
- Coming New Lineup is...
- About V-SFT-5



V8 concept



- 1. High Performance
 - 2. Connectivity
 - 3. Usability





High Performance









Color Models

All models support 65,535 colors!!

Monochrome display

256 grayscale Suitable for image processing.

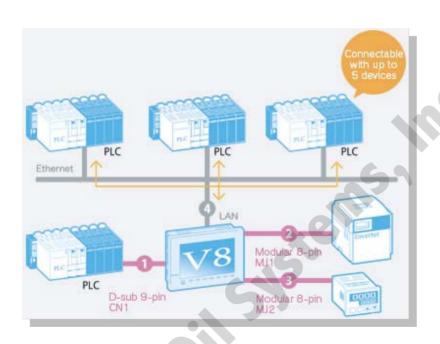
Video

30fps video display with 1.6 million colors

* 30fps is the same as TV!

Connectivity

Enhanced Connectivity





8WAY communication
Up to 8 protocols
running simultaneously.

Dual IP addressing

First-in-industry

V8 works as a gateway between 2 network!

2 USB ports
USB (master/slave)
ports are included
as standard equipment.



Usability

Simple & Speedy configuration







Improved V-SFT-5

Many useful function to speed up development time.

Component Parts

The fastest and easiest way to configure screens.

Emulator

You can debug your screen program on your PC without any hardware!



V8 Line-up

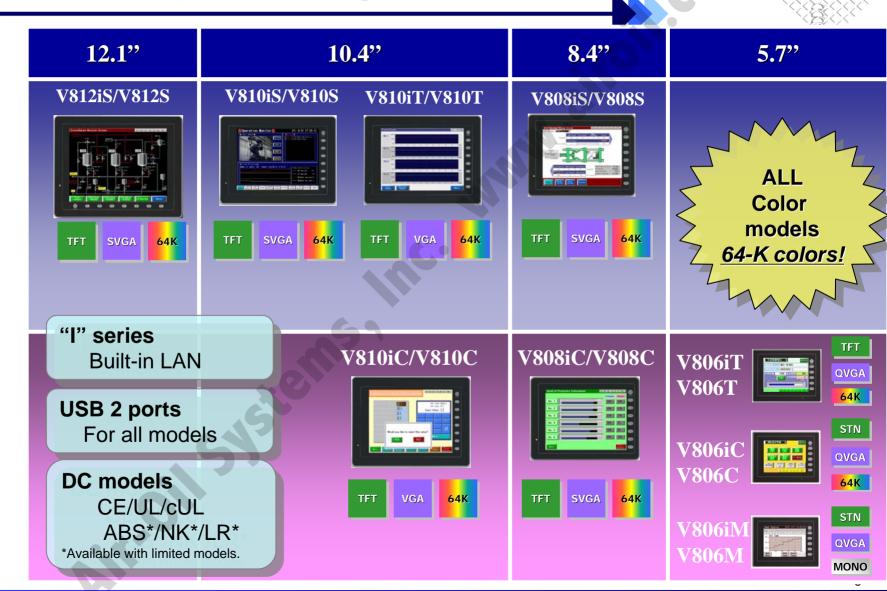




- At a glance
- V812 series (12.1")
- V810 series (10.4")
- V808 series (8.4")
- V806 series (5.7")
- Comparison
- V8 vs. V7
- Model Designation
- Certifications
- Accessories



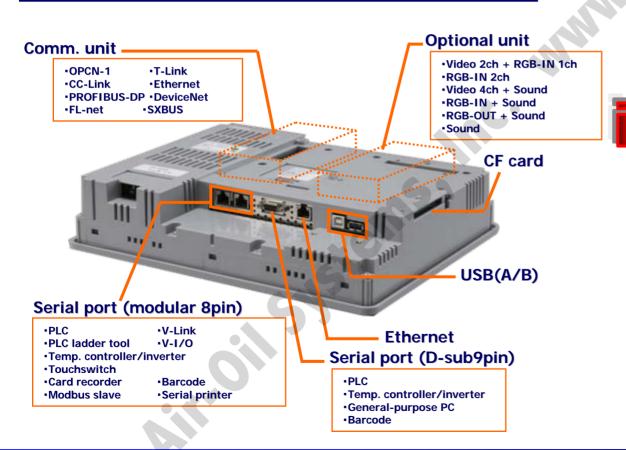
V8 Line up – At a glance -

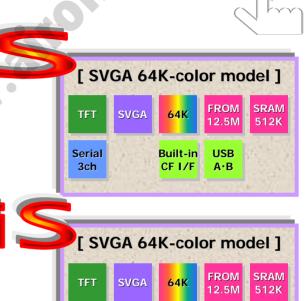




V812 series (12.1 ")

The flagship model of V8 Series offers the highest performance.





Serial

3ch

Built-in

LAN

Built-in

CF I/F

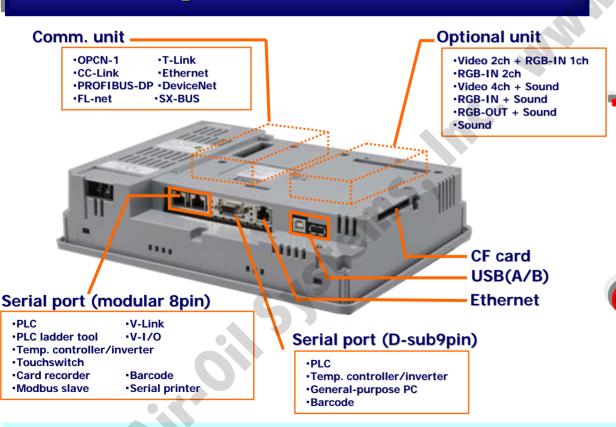
USB

A·B



V810 series (10.4 ")

Our three grades of models from highly Functional to standard are all high performance. Various line-up to meet various needs.



[SVGA 64K-color model]

TFT SVGA 64K FROM 12.5M SRAM 12.5M 512K

Serial Built-in Built-in USB A·B



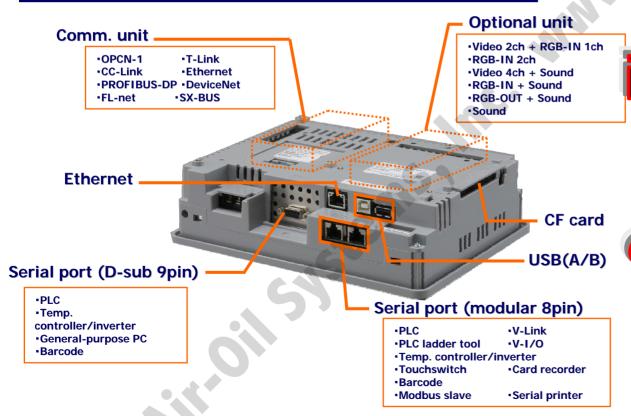


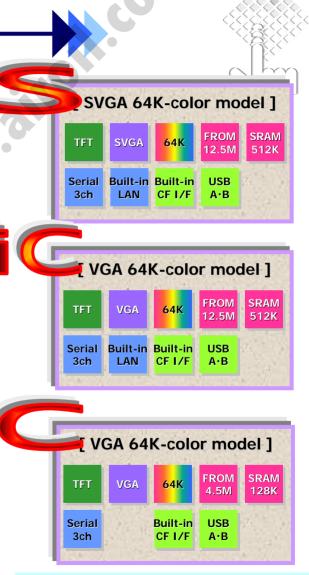
NOTE) 1: V810C --- FROM4.5M/SRAM128K/LAN is optional. 2: Built-in LAN is available with the "I" models only.



V808 series (8.4")

TFT display is employed for all models. Selection of SVGA and VGA is available.





— 11 —

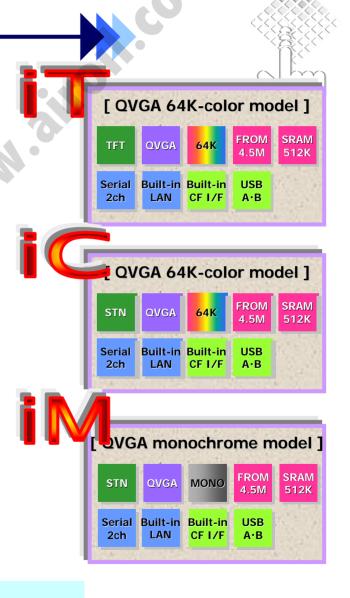
NOTE) Built-in LAN is available with the "I" models only.



V806 series (5.7 ")

Compact yet functional. Ethernet on-board for "i" models. V7's "CU-xx" modules are compatible.

Optional Units [Optional unit] •DU-10 [Comm. Unit] ·CU-xx Serial port (modular 8pin) •PLC V-Link ·V-I/O PLC ladder tool **USB-A** Temp. controller/inverter **USB-B** Touchswitch Card recorder Barcode **Ethernet** Modbus slave Serial printer



NOTE) *without "I" --- FROM 4.5M/SRAM128KB/ LAN is optional/

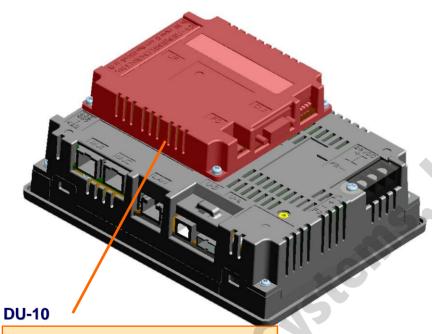


V806 series (5.7 ")





V806+ DU-10

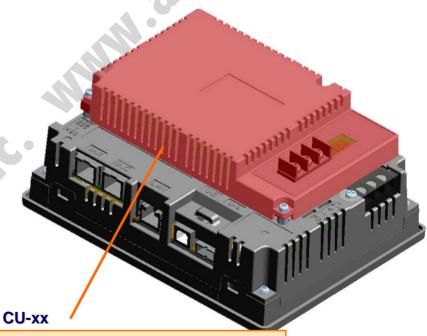


[optional Unit]

·CF socket + D-sub 9pin port

<NOTE>
*DU-01:
CF + Dsub25pin + LAN for V706

V806 + CU-xx



[Comm. Unit]

- PROFIBUS-DP Ethernet*
- DeviceNet*
- OPCN-1 * T-Link
- CC-Link* -FL-net * -SX-BUS
- *Under Development



V8 Line up - Comparison -



12"

	V812S	V812iS
FROM(MB)	12.5	12.5
SRAM(KB)	512	512
Ethernet	Optional	Built-in
Serial port	3	3
CF I/F	Yes	Yes
USB	2	2



	V810S	V810iS	V810T	V810iT	V810C	V810iC
FROM(MB)	12.5	12.5	12.5	12.5	4.5	12.5
SRAM(KB)	512	512	512	512	128	512
Ethernet	Optional	Built-in	Optional	Built-in	Optional	Built-in
Serial port	3	3	3	3	3	3
CF I/F	Yes	Yes	Yes	Yes	Yes	Yes
USB	2	2	2	2	2	2



V8 Line up - Comparison (continued) -



8"

	V808SD	V808iSD	V808CD	V808iCD
FROM(MB)	12.5	12.5	4.5	12.5
SRAM(KB)	512	512	128	512
Ethernet	Optional	Built-in	Optional	Built-in
Serial port	3	3	3	3
CF I/F	Yes	Yes	Yes	Yes
USB	2	2	2	2

5.7"

	V806TD	V806iTD	V806CD	V806iCD	V806MD	V806iMD
FROM(MB)	4.5	4.5	4.5	4.5	4.5	4.5
SRAM(KB)	128	512	128	512	128	512
Ethernet	Optional	Built-in	Optional	Built-in	Optional	Built-in
Serial port	2	2	2	2	2	2
CF I/F	Optional	Optional	Optional	Optional	Optional	Optional
USB	2	2	2	2	2	2



Line-up - V8 vs V7



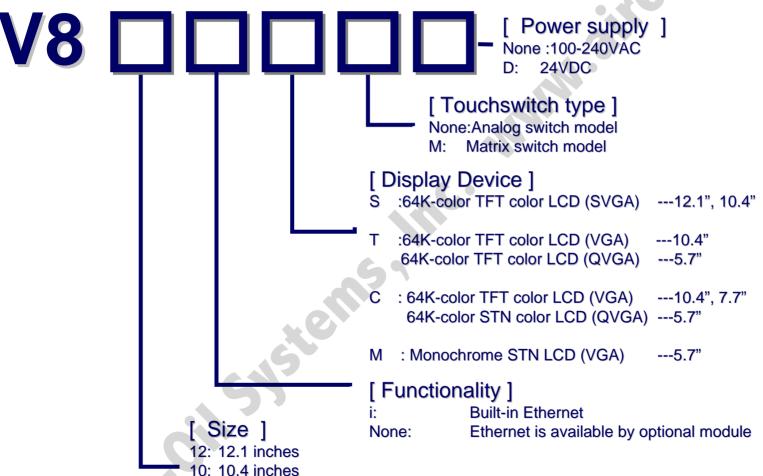


Size	V8	V7
12"	V812iS(D), V812S(D)	V712iS(D), V712S(D)
10"	V810iS(D), V810S(D)	V710iS(D), V710S(D)
	V810iT(D), V810T(D)	V710iT(D), V710T(D)
	V810iC(D), V810C(D)	V710C(D) + CU-03-2
8"	V808iSD, V808SD	V708iSD, V708SD
	V808iCD, V808CD	V708CD + CU-03-2
5.7"	V806iTD, V806TD	V706TD + DU-01
	V806iCD, V806CD	V706CD + DU-01
	V806iMD, V806MD	V706MD + DU-01



Line-up - Model Designation





08: 8.4 - 7.7 inches

06: 5.7 inches



Line-up - Certifications





Approvals	Models	Remarks
CE	V8 series	UL508 UL1604(Class1, Division2)
UL/cUL	DC models	• OL 100+(Olass1, Division2)
ABS	V812(i)SD	<plan approvals="" take="" to=""></plan>
NK	V810(i)SD	V806 series: YES
LR	V810(i)TD	V8C series: NO
DNV*	V808(i)SD	
	*DNV: in progress.	



Line-up - Accessories -

Screen configuration software



V-SFT-5 (Ver.5)

Windows98/Me/NT Ver4.0/2000/ XP/XP 64 Edition/Vista 32bit

Optional units





GU-00/01/02/03/10/11

Optional unit for Video/RGB/Sound.

00	Video + Sound	10	Video 2CH + RGB-IN
01	RGB-IN + Sound	11	RGB-IN 2CH
02	RGB-OUT + Sound		
03	Sound		



DU-10

(for V806 series)

D-Sub9pin/CF socket





CU-xx

Communication units for field network.

00	OPCN-1 *	04	PROFIBUS
01	T-LINK	06	SX-BUS
02	CC-Link *	07	DeviceNet*
03-3	Ethernet *	08	FL-net*

*Under development

Optional items



TC-D9

Connects V8 with other units via RS422/485 terminal.



V-I/O

External serial I/O unit with cable to connect to V8. 16IN/16OUT.



D9-D25

Dsub9-Dsub25 conversion cable to utilize comm cable of previous models.



CREC Memory card recorder



V8xx-GS/V8xx-GSN10

Protective sheets for each size. GSN10 is anti-glare type.

5 sheets per set.



V7-BTLithium battery for V8 series.



V8 Key Features

- Component Parts
- 8Way Communication
- Pop-up Alert (message box)
- Conditional Visibility
- Dual IP Address
- MES Interface
- FTP Server
- Dual CF Card Interface
- USB Keyboards
- USB Mouse
- PictBridge Printers



MONITOUCH

Component Parts

Problem

- "I want to log the alarms".
- "I want to use password for protection"
- "I want to connect external devices"

I know what I want to achieve, but
SCREEN CONFIGURATION IS TOO
COMPLICATED BECAUSE OF SO MANY
SETTINGS!

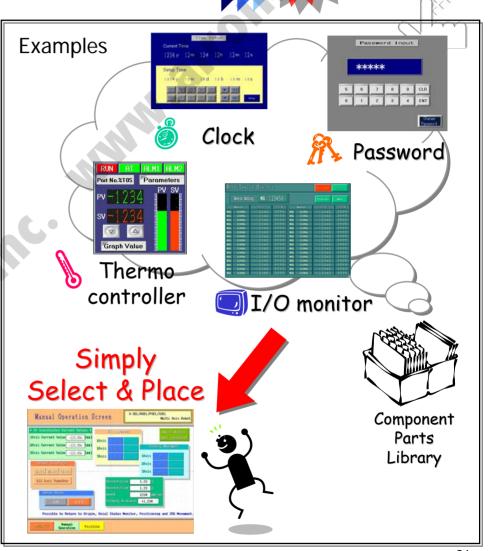


Solution

COMPONENT PARTS

Combinations of the functions and necessary parts which are frequently used is prepared as all-in-one "Component Part".

You can achieve complicated features just like placing a single part on a screen.





8way Communication

Problem

I want to control several external devices with one V8 panel.

But Hakko's "dual driver" is not enough!

I can connect only PLC and thermo controller/inverter at the same time...

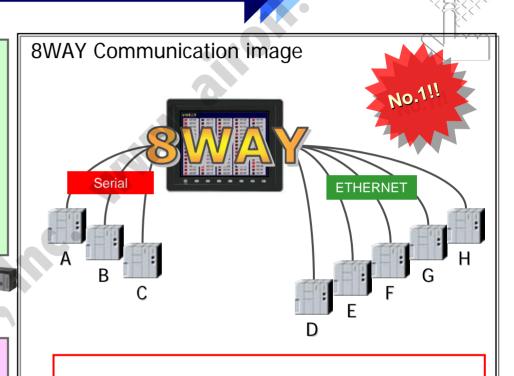


Solution



8WAY COMMUNICATION

Up to 8 different protocols run at the same time, including PLCs, thermo controllers, inverters, and more!



Serial (3 protocols) + ETHERNET(5 protocols)

YAW8

(8 protocols)





Pop-up Alert (message box)

Problem

To avoid possible misoperation, I can achieve by

- Prompting a dialog box to proceed or cancel
- Controlling buttons by interlocking the input by PLC program。

BUT I DO NOT HAVE TIME!

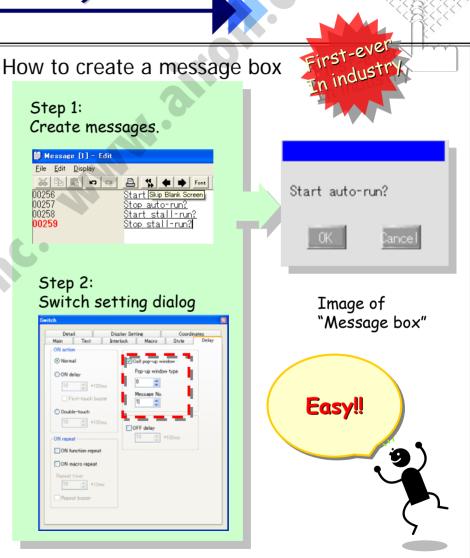


Solution

MESSAGE BOX

In the Switch setting dialog, simply check a checkbox to add message box feature and register your desired messages.

No macro or no overlap settings!!





Conditional Visibility

Problem

I always make several screen programs which have slight differences, depending on the machines

If possible,

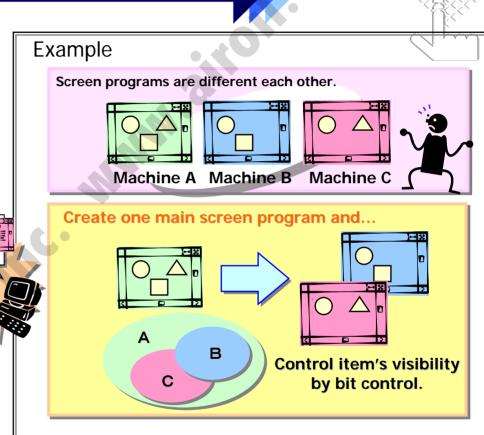
I DO NOT WANT TO HAVE DIFFERENT SCREEN PROGRAMS BECAUSE IT MAKES DIFFICULT TO MAINTAIN THEM!



Solution

CONDITIONAL VISIBILITY

You can show/hide the items such as graphics, data displays, characters, switches, and lamps by the command from PLC. Create only one screen program and control the visibility of the items to meet each machine's requirements.



Both "static" and "dynamic" visibility control is supported.



Dual IP Address

Problem

I want to have separate network for the office and the factory due to security reason.

I want to exchange the information between office and factory.



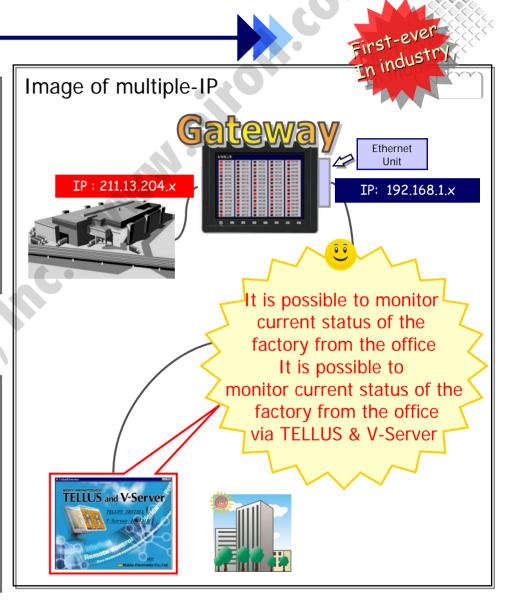
Solution

GATEWAY*
between two different network

It is possible to have two different IP addresses.

V8 becomes a gateway between factory and office while having security and reducing the load of the network.

*When using Ethernet unit.





MES Interface

Problem

I want to correct the production data to the PC, but I am not programming expert... Any good solution?





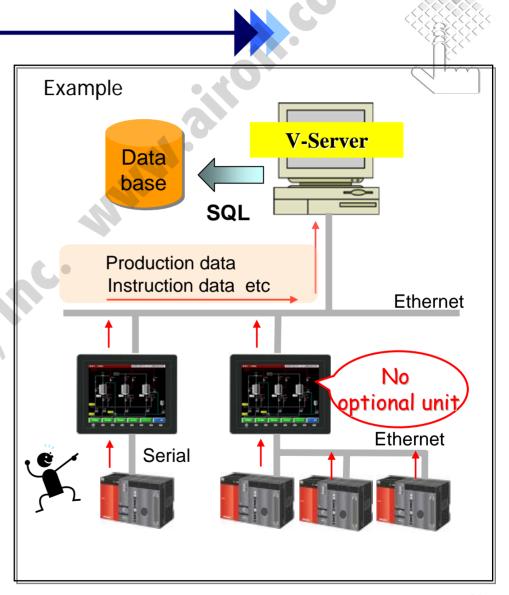
Solution

IMES INTERFACE FEATURE

V8 + V-Server helps you! No special hardware or dedicated program is required.

Various information is sent to data base in SQL via V-Server.

*MES = Manufacturing Execution System





FTP Server

Problem

I want to manage production history of a factory from a remote office.

I want to update data of the machine which locates far from here.

But I cannot go there easily!



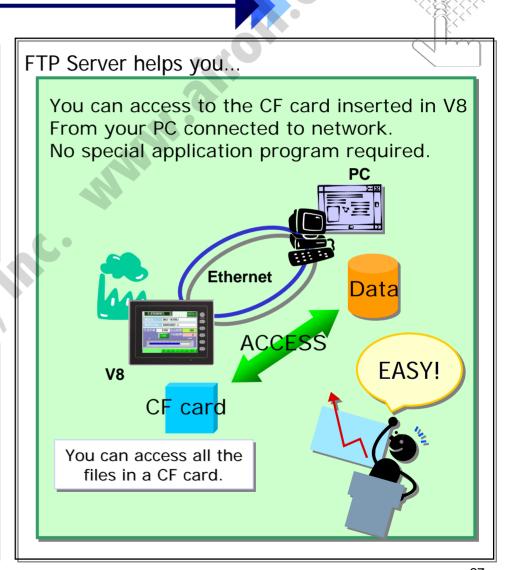
Solution

FTP SERVER

It is possible to read/write CF card inserted in V8 from your office.

No dedicated program required, you can access data via web browser such as Internet Explorer.

*V-Server not required.





Dual CF card Interface

Problem

I am using a CF card for recipe and data logging.

BUT I NEED TO OPEN THE MACHINE TO REMOVE THE CARD...

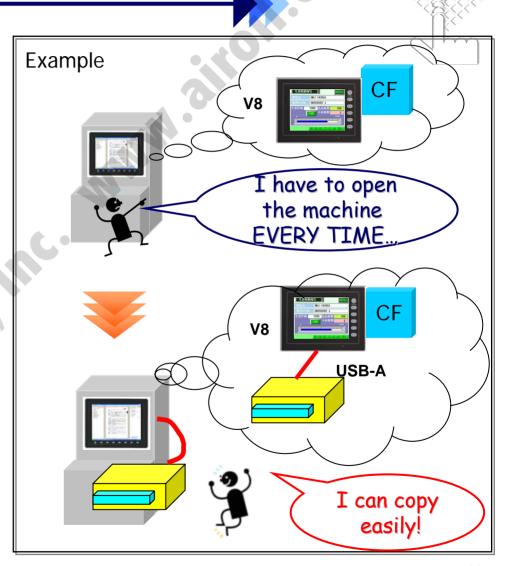


Solution

TWO CF CARD DRIVES

You can use CF card socket on V8 and external CF card reader on USB port simultaneously.

You can copy the data from one to another. No bothering machine operation!





USB Keyboard

Problem

Software keyboard on the screen is too small to type!

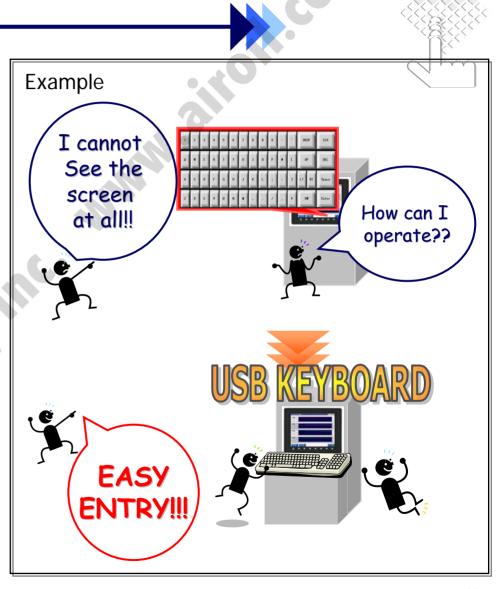
I cannot see the screen at all when displaying keyboard, especially when using small panels.



Solution

USB KEYBOARD SUPPORTED

Entry via USB keyboard is supported. No need to create software keyboard or 10 key on the screen.







USB Mouse

Problem

I am displaying PC screen on my touch panel, but it is difficult to control using touch switch...

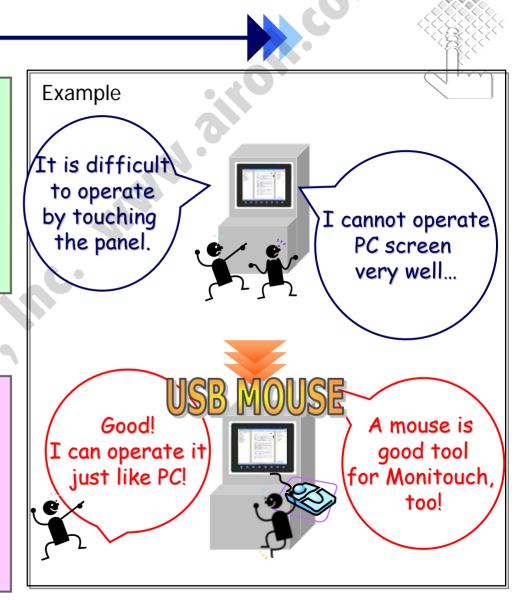




Solution

USB MOUSE SUPPORTED

In addition to touch switch operation, it is also possible operate using USB mouse simultaneously.





PictBridge Printers

Problem

I cannot find any MS-DOS printer nowadays. Which printer is supported?

It is hard to find right printer because supported models are limited.



Solution

PICTBRIDGE-COMPATIBLE PRINTER

In addition to the printers previously supported, new printers which are compatible with PictBridge is also supported!





Coming New Lineup is...



• V815X(15")
December 2008

• V808CH (pendant type 8") January 2009

• Low-cost V8 (5.7", 8") January 2009

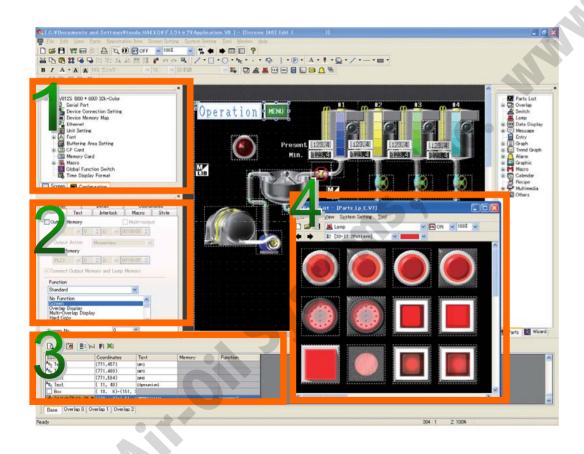
About V-SFT-5

- V-SFT-5
- Built-in Emulator
- Enhanced Object Alignment
- Scalable Screen Program



V-SFT-5

V-SFT-5 is a screen configuration software for V8/V7/V6/V4/TELLUS.





- 2 Item View
 Set the functions of the item from this dialog.
- 3 Item List
 You can enter the position, switch text here.
 - Parts List

 Drag and drop a part from the selection of more than 1000 kinds of attractive parts.



Built-in Emulator

Problem

I wish I can debug my program only using PC...

I want to capture the screen image to make manuals or documents.

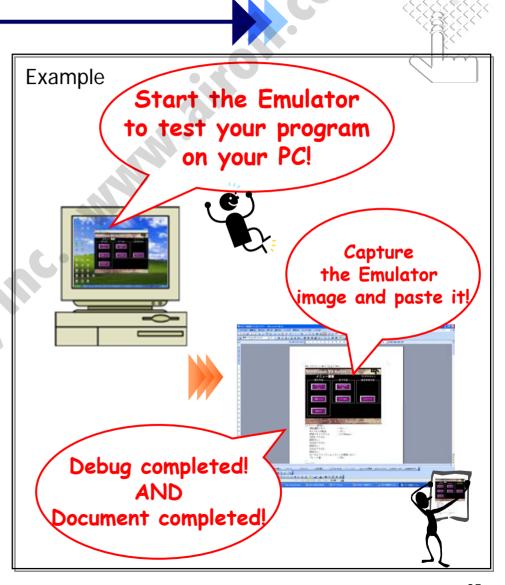


Solution

EMULATOR

It is possible to check the operations while creating program.

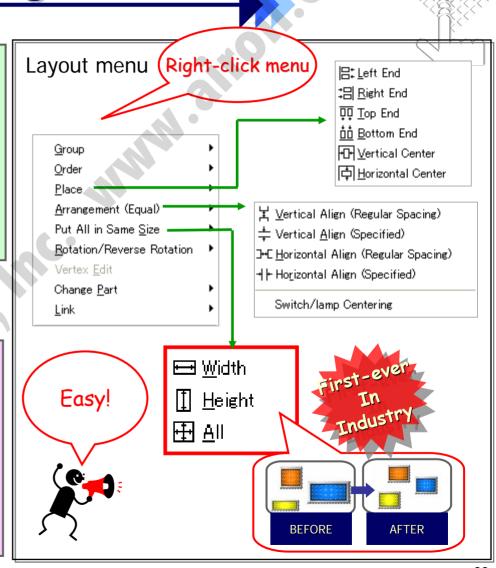
You can copy the image on Emulator and paste it to other applications such as Excel or Word. Very convenient to create documents!





Enhanced object alignment

Problem It takes time to align and adjust the size of objects... **Solution STRONG LAYOUT HELPER UP-Down/Left-Right/Horizontal-Vertical** Equal arrangement/sizing and so on. It reduces your development time!





Problem

Scalable Screen Program

I want to reuse my project. But screen size is different. Do I have to make the program again from scratch?



Solution

SCALABLE SCREEN

V-SFT-5 will resize the screen program automatically by selecting desired model from the list.



