

Pro-face
for the best interface

Touch Operator Interface

GP4000 SERIES

HVS
PRECOMISATEUR DE SOLUTIONS DEPUIS 1985

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visibility





Enhanced Visibility

All models employ 65,535-color TFT LCDs with enhanced backlight brightness control. Crisp screens improve monitoring quality and safer operation.



Mobile Remote Monitoring

Remotely monitor large-sized or long-distance applications, large process systems, or multiple machines on a manufacturing site on an easy-to carry iPhone, iPad, iPod touch, Android smartphone or Android tablet.



Multiple Standards support a variety of Applications

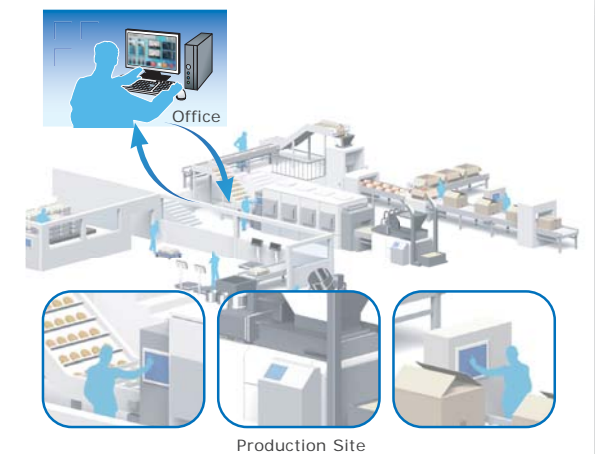
Coated components and compliance with a variety of international standards enable use in a diverse range of environments.



CCS Ship Classification is also supported.

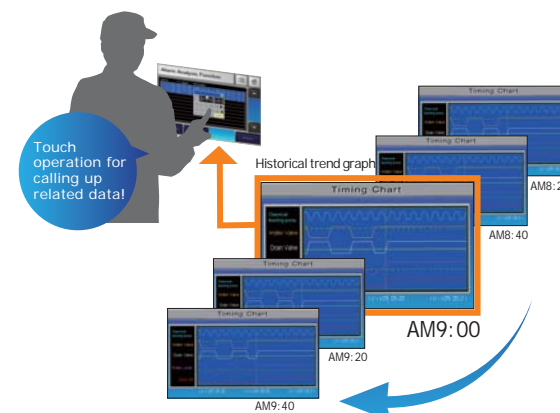
Remote Data Collection and Management

A data management system, built with Pro-Server EX software for production quality and efficiency through HMI units installed on production machines can be simply and cost-efficiently built with standard PC software, such as Microsoft Office and SQL.



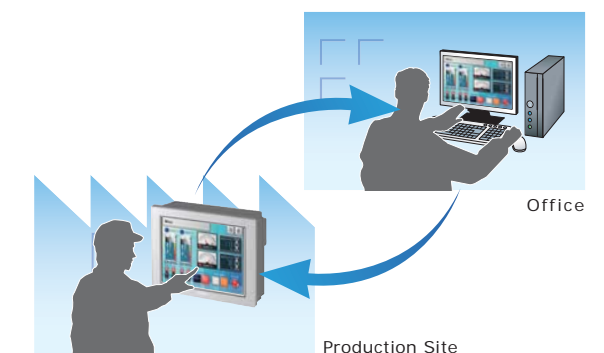
Easy Troubleshooting






Alarm Analysis Function gives you timely understanding of error causes on site. With only a few clicks for configuration, you can set alarm analysis screens with logged status data of the alarm-related device.



Remote Monitoring

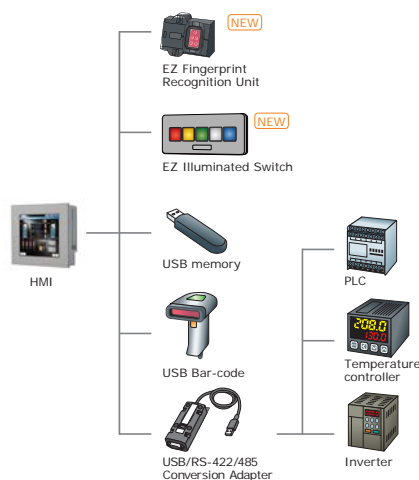
The Remote Monitoring software, GP-Viewer EX, allows you to monitor HMI screens installed on the production site from a Windows PC in a remote location.







	12.1" <small>AC 100-240V DC 24V</small> GP-4601T / GP-4603T <small>(Isolated SIO model)</small>	10.4" <small>AC 100-240V DC 24V</small> GP-4501T / GP-4503T <small>(Isolated SIO model)</small>	7.5" <small>DC 24V</small> GP-4401T	5.7" <small>DC 24V</small> GP-4301T / GP-4303T <small>(Isolated SIO model)</small>	3.5" <small>DC 24V</small> GP-4201T / GP-4203T <small>(Isolated COM SIO model)</small>
Standard Model					
Display (Resolution)	65,536-color TFT (SVGA 800 x 600 pixels)		65,536-color TFT (VGA 640 x 480 pixels)		65,536-color TFT (QVGA 320 x 240 pixels)
Touch Panel Type	Analog or Matrix (Support Two-Point Touch)			Analog	
Memory	32MB (Application), SRAM320KB (Backup for HMI), SRAM64KB (Backup for Control)			16MB (Application), SRAM320KB (Backup for HMI), SRAM64KB (Backup for Control)	
Ethernet	x1 (IEEE802.3i / IEEE802.3u, 10BASE-T/100BASE-TX)			x1 (IEEE802.3i / IEEE802.3u, 10BASE-T/100BASE-TX)	
SIO	RS-232C x1, RS-422/485 x1		RS-232C x1, RS-422/485 x1		RS-232C/422/485 x1
SD Card Slot (Max. 32GB)	x 1		x 1		No
USB	USB Type-A (2.0) x 1, USB mini-B (2.0) x 1			USB Type-A (2.0) x 1, USB mini-B (2.0) x 1	
Replaceable Battery	Yes		Yes		No (Rechargeable battery)
Alarm Analysis DB Function	Yes			Yes	
Other models	Coated model: Yes / Color variation: Yes / Rear-mount model: Yes (Except GP-4603T, GP-4503T)			Coated model: Yes / Color variation: Yes / Rear-mount model: Yes (Except GP-4303T, GP-4201T and GP-4203T)	

Easily connect multiple USB devices

A controller with serial interface, EZ Series accessory unit, bar code reader, and USB flash drive can be easily connected to the HMI unit.*



* EZ Fingerprint Recognition Unit also requires power supply cable.
* Multiple devices of the same model cannot be connected.

	10.4" <small>DC 24V</small> GP-4501TW	7.0" wide <small>DC 24V</small> GP-4401WW	5.7" <small>DC 24V</small> GP-4301TW	3.5" <small>DC 24V</small> GP-4201TW
W Model				
Display (Resolution)	65,536-color TFT (VGA 640 x 480 pixels)	65,536-color TFT (WVGA 800 x 480 pixels)	65,536-color TFT (QVGA 320 x 240 pixels)	
Touch Panel Type	Analog			
Memory	16MB (Application), SRAM128KB (Backup for HMI)	16MB (Application), SRAM128KB (Backup for HMI)	8MB (Application), SRAM128KB (Backup for HMI)	
Ethernet	x1 (IEEE802.3i / IEEE802.3u, 10BASE-T/100BASE-TX)		No	
SIO	RS-232C x1, RS-422/485 x1		RS-232C x1, RS-422/485 x1	
SD Card Slot (Max. 32GB)	x 1	x 1	No	
USB	USB Type-A (2.0) x 1, USB mini-B (2.0) x 1		USB Type-A (2.0) x 1, USB mini-B (2.0) x 1	
Replaceable Battery	Yes	Yes	No (Rechargeable battery)	
Alarm Analysis DB Function	No		No	
Other models	Coated model: Yes / Color variation: Yes		Coated model: Yes / Color variation: Yes	



	5.7" <small>DC 24V</small>	3.5" <small>DC 24V</small>	3.4" <small>DC 24V</small>
Modular Type	GP-4301TM Modular Type	GP-4201TM Modular Type	GP-4100 Compact Type
Display (Resolution)	65,536-color TFT (QVGA 320 x 240 pixels)		Monochrome LCD (200 x 80 pixels)
Touch Panel Type	Analog		
Memory	8MB(Application),nvSRAM128KB(Non-volatile,No Battery Needed)		2.2MB(Application),EPROM128KB*1 (Backup for HMI)
Ethernet	x1 (IEEE802.3i / IEEE802.3u, 10BASE-T/100BASE-TX)		x1 (IEEE802.3u, 10BASE-T/100BASE-TX) *2
SIO	RS-232C/422/485 x1		RS-232C/422/485 x1 *3
SD Card Slot	No		
USB	USB Type-A (2.0) x1, USB mini-B (2.0) x1		
Replaceable Battery	No		
Alarm Analysis DB Function	No		
Other models	No		

*1: For supported features, please refer to GP-Pro EX Reference Manual. *2: GP-4104 only *3: Excluding GP-4104

Modular Type HMI with Easy Installation

GP4000M Series

A separate installation cable is under development.



Compact HMI with Full-graphic Display

GP4100 Series



The Perfect Visualization Solution for every need.

Rear-mounting HMI, Integrates into Machine Design

GP4000 Series Rear-mount Model



Size	12.1"	10.4"	7.5"	5.7"
GP4000 Series Rear-mount Models are DC power and analog touch panel models only.				

Corrosion-resistant Board Coating for Environmental Requirement

All GP4000 Series products are available in coated models. (Except GP4100 Series and GP4000M Series)

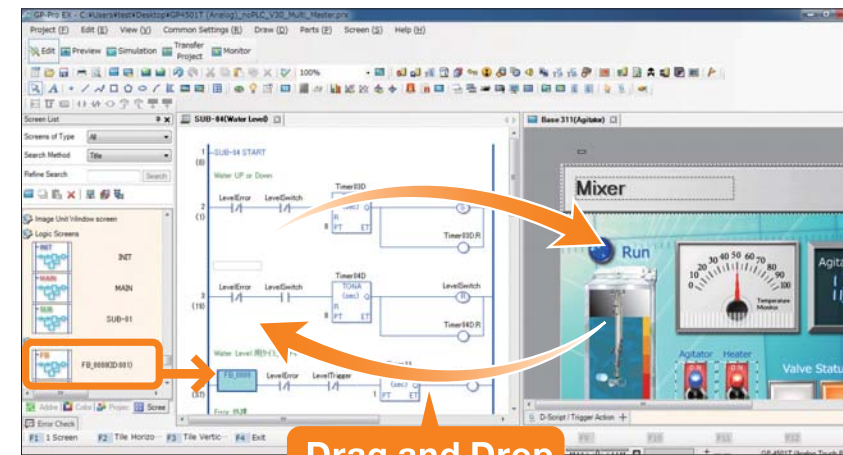
Compatibility with Equipment Design or Customer Corporate Brand

GP4000 Series Color Variation



Easy sharing of symbolized device data between HMI screen and control programs using drag and drop operation provides you with intuitive operation throughout the successful completion of a project.

Function Block control programming also eases your control system design with frequently used and specially defined control functions.



GP-Pro EX Ver. 3.1 New Features

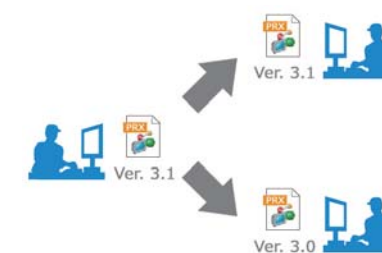
Quickly understand detailed differences between similar project files

Project Comparison Tool allows easy yet detailed comparison of two screen-project files for updating and modifying customer applications. Differences for each part attribute, alarm message, or setup item are displayed.

Screen B1		A	B
Parts 1	Address	X0001	X0002
	Shape	Circle	Square
	Action	Momentary	Alternate
	Label	Run	Run

Multi-version File Format Support for Screen Project Files

Screen project files edited in version 3.1 of GP-Pro EX can also be saved in version 3.0 format to facilitate screen data handling among personnel with different responsibilities such as testing engineers, factory installation technicians, and maintenance engineers.



More New Features

- Change password during on-line operation
- Extended text search and replacement
- Range Setting on Word Switch
- Selectable SRAM Back-up Data Modes for Screen Data Transfer



Pro-face

for the best interface

We are always striving to bring you the high quality interface designed to provide a cohesive, evolving connection between customers and high quality products, service and support from around the world.

All *i*eyes on the customer make us "the best interface"

*i*ntimacy

Connect intimately with our customers and stakeholders

*i*nteraction

Enhance customer experience through positive interaction

*i*nnovation

Provide benefits to our customers through innovation

⚠ WARNING

HAZARD OF OPERATOR INJURY, OR UNINTENDED EQUIPMENT DAMAGE

Before operating any of these products, be sure to read all related manuals thoroughly. Failure to follow these instructions can result in death or serious injury, unintended equipment damage.

- For printing purposes, the colors in this catalog may differ from those of the actual unit.
 - Actual user screens may differ from the screens shown here.
 - Electric equipment should be installed, operated, serviced, and maintained only by qualified personnel.
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