

GP4000 SERIES

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

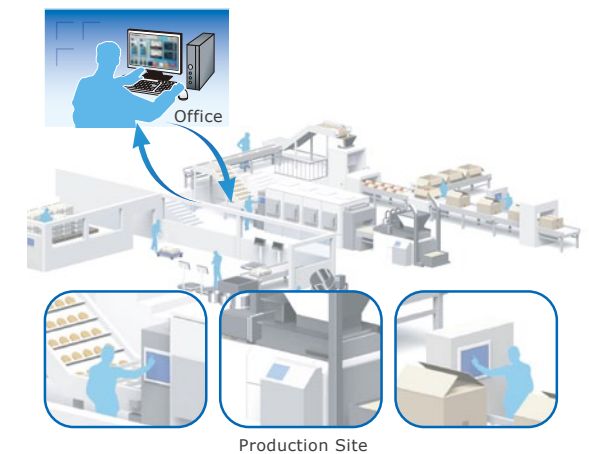
Coated components and compliance with a variety of international standards enable use in a diverse range of environments.



CCS Ship Classification is also supported.

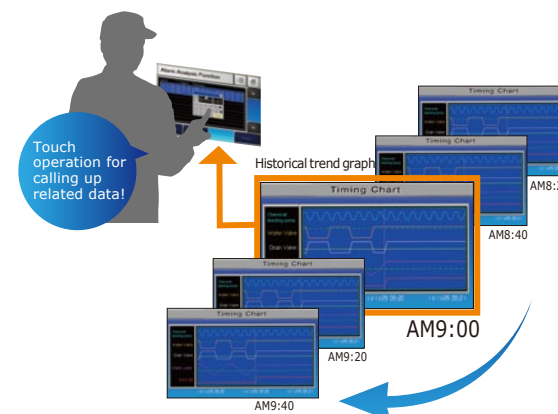
Remote Data Collection and Management

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.



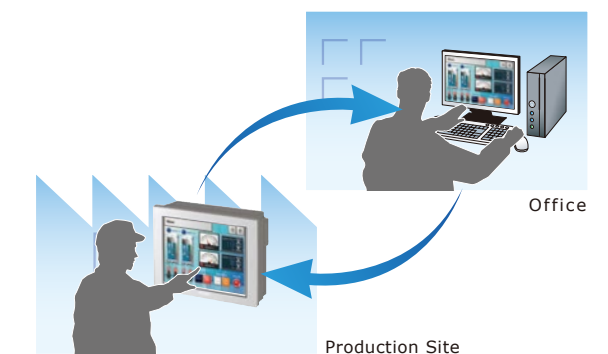
Easy Troubleshooting

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.



Lineup

Standard Model

12.1" AC 100-240V
DC 24V

GP-4601T* / GP-4603T
(Isolated COM I/F model)



* Coated model available

10.4" AC 100-240V
DC 24V

GP-4501T* / GP-4503T
(Isolated COM I/F model)



* Coated model available

7.5" DC 24V

GP-4401T



5.7" DC 24V

GP-4301T* / GP-4303T
(Isolated COM I/F model)



* Coated model available

3.5" DC 24V

GP-4201T / GP-4203T
(Isolated COM I/F model)



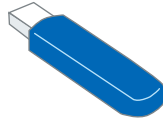
Display (Resolution)	65,536-color TFT (SVGA 800 x 600 pixels)	65,536-color TFT (VGA 640 x 480 pixels)	65,536-color TFT (VGA 640 x 480 pixels)	65,536-color TFT (QVGA 320 x 240 pixels)
Touch Panel Type	Analog or Matrix (Support Two-Point Touch)		Analog	
Memory	32MB (Application), SRAM320KB(Backup for HMI), 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×1, RS-422/485×1		RS-232C×1, RS-422/485×1	RS-232C/422/485×1
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			

Enhanced Data Handling

Easily transfer and update screen and production data, such as logging, recipe, alarm history and operation log, via SD card, USB Flash memory, USB connection and Ethernet.



SD Card



USB Memory

W Model

10.4" DC 24V

GP-4501TW



7.0" wide DC 24V

GP-4401WW



5.7" DC 24V

GP-4301TW*



* Coated model available

3.5" DC 24V

GP-4201TW



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				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)			x1 (IEEE802.3i / IEEE802.3u,10BASE-T/100BASE-TX)		No
SIO	RS-232C×1, RS-422/485×1			RS-232C×1, RS-422/485×1		
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		



Modular Type Compact Type	5.7" DC 24V Modular Type GP-4301TM	3.5" DC 24V Modular Type GP-4201TM	3.4" DC 24V Compact Type GP-4100
			
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	×1 (IEEE802.3i / IEEE802.3u, 10BASE-T/100BASE-TX)		×1 (IEEE802.3u, 10BASE-T/100BASE-TX)*2
SIO	RS-232C/422/485×1		RS-232C/422/485×1*3
SD Card Slot	No		
USB	USB Type-A (2.0) ×1, USB mini-B (2.0) ×1		
Replaceable Battery	No		
Alarm Analysis DB Function	No		

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

Compact Size and Flexible Installation

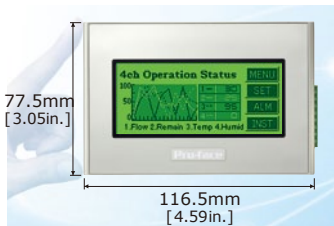
GP4000M Series



A separate installation cable is under development.

Compact HMI with Full-graphic Display

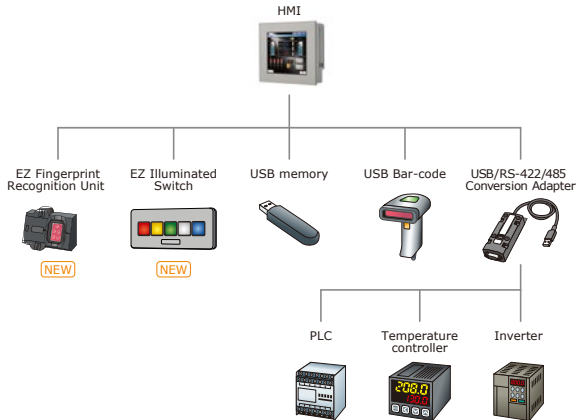
GP4100 Series



Easily connect multiple USB devices

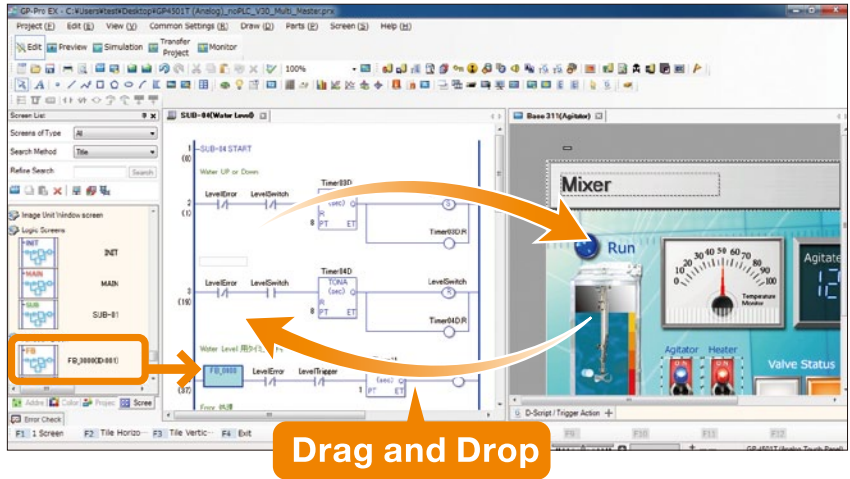
A controller with serial interface, EZ Series accessory unit, bar code reader, and USB flash drive can be easily connected to the HMI unit.*

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



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

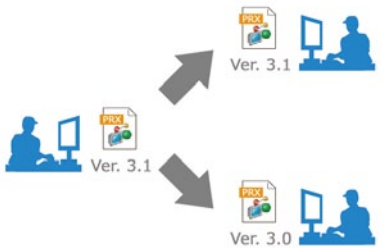
Quickly understand detailed differences between similar project files

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	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



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with our customers
and stakeholders

*i*nnovation
Provide benefits to
our customers
through innovation

*i*nteraction
Enhance customer
experience through
positive interaction

⚠ 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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