

# WORLDWIDE SALES OFFICE



## Our Environmental Policy and Compliance with the RoHS Directive

Pro-face has taken significant steps to meet increasingly stringent requirements for environmental preservation and has sought to comply with the RoHS Directive by adopting measures to eliminate specified harmful substances from existing products and products to be manufactured and sold beginning in 2006. For details, please refer to our web site or contact our sales office in your country.

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Worldwide Contacts:  
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## Conformity with International Safety Standards

UL/ETL / UL/ETL / CE Pro-face products and component parts bearing the CE Mark and the UL or c-UL Listing and Recognized Component Marks are your guarantees of compliance with safety standards accepted in countries and regions worldwide.

**Caution:** Before operating any of these products, be sure to read all related manuals thoroughly.

- For printing purposes, the colors in this catalog may differ from those of the actual unit.
- LCD screens may exhibit minute grid-points (light and dark) on the Display Panel surface. Also,
- "Contouring" - where some parts of the screen are brighter than others, producing a wavelike pattern - may occasionally occur. Both are normal for an LCD display and are not defects.
- Actual user screens may differ from the screens shown here.
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- All information contained in this catalog is subject to change without notice.

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Pro-face®

Pro-face Product Guide  
2008 Worldwide Standard Version

# PRODUCT GUIDE

GP3000 SERIES  
LT3000 SERIES  
PS3000 SERIES  
PL3000 SERIES  
FP3000 SERIES  
GP2000 SERIES  
GP SERIES  
GLC SERIES  
LT SERIES  
PS SERIES  
PL SERIES  
UF SERIES





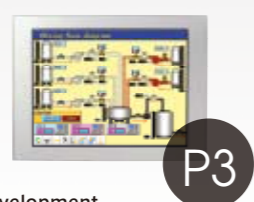
Desire to build an information gathering system while minimizing costs.

It's completely over-budget to install a display and PLC...

**A** System Maker upgraded with GP-3600T

**GP3000 SERIES**

Graphic Operator Interfaces



With GP-Pro EX that saves time for development, the GP-3600T adoption system can be developed quickly!



I want to use a display. But screen creation seems to require so much effort...

...I tried using Z Company's display but couldn't master on screen creation.

**B** System Maker upgraded with LT-3300S

**LT3000 SERIES**

Graphic Logic Controllers



A small-sized information gathering system can be realized with LT-3300S, without installing a PLC.



We want to bring a PC into a production site with a bad environment.

...Building specialized equipment to avoid water vapor and dust would be too much trouble...

**C** Factory upgraded with PS-3710A

**PS3000 SERIES**

Smart Panel Computers



With PS-3710A, we can introduce a smooth production control system without the trouble of setting up equipment specifically for dust and drip prevention.



We use a PC at our production site but we are worried about HDD trouble.

...Is there a computer we can use safely with a production line in continuous operation?

**D** Factory upgraded with PL-3000B

**PL3000 SERIES**

Industrial Computers



*and*

**D** Factory upgraded with FP-3900T

**FP3000 SERIES**

Industrial Flat Panel Displays



Succeeded in avoiding HDD trouble incidents beforehand at site of continuous operation with PL-3000B, in order to reduce interruption time of production line.

# Successful example index of how to find solutions with Pro-face

Is there a better method to obtain on-site business solutions?  
 How can we implement a system tailored to clients' needs?  
 Pro-face can provide an answer to such problems. Pro-face solutions will surely satisfy your needs.

<b>Response software</b>		<b>Add-on Software</b>	
Easy Operation		<b>RPA</b> ..... P9	
HMI Screen Creation software		<b>GP-Viewer EX</b> ..... P9	
<b>GP-Pro EX</b> ..... P9		<b>Add-on Software</b>	<b>Pro-Server EX</b> ..... P10
		<b>WinGP</b> ..... P10	

<b>Conventional models</b>				<b>Response software</b>	
Graphic Operator Interfaces	Graphic Logic Controllers	Graphic Logic Controllers	Smart Panel Computers	FA Panel Computers	Industrial Flat Panel Displays
<b>GP SERIES</b>	<b>GLC SERIES</b>	<b>LT SERIES</b>	<b>PS SERIES</b>	<b>PL SERIES</b>	<b>UF SERIES</b>
P11	P13	P13	P15	P15	P16
				<b>Individual device</b>	
<b>Screen Editor and Logic Program Development software</b>		<b>Data collection Software</b>		<b>Pro-Server Add-on Software</b>	
<b>GP-PRO/PBIII C-Package03</b>		<b>Pro-Server with Pro-Studio</b>		<b>GP-Viewer</b>	
P14		P14		P14	
				<b>Web Operation Software</b>	
				<b>GP-Web</b>	
				P14	

# GP3000 SERIES

A New Concept in Graphic Operator Interfaces

Response software GP-Pro EX

Excellent value in a revolutionary display unit



GP3000 SERIES is for those who desire...

**Easy access to the status of equipment on site.**

With GP3000...

Equipment by different makers, and models of different production dates can be connected to see the status of all sites on one display for assessment.

**Remote monitoring of production status.**

With GP3000...

Monitor site status in real time from a separate office.

▶▶ Please refer to pages 9-10 for more details on remote solutions.

**Visual confirmation of status for any occurrence of trouble.**

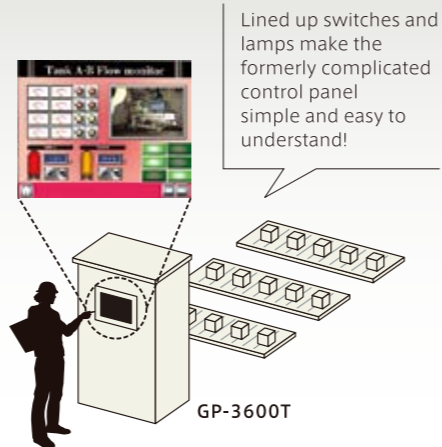
With GP3000...

The video playback function allows to visually confirm the status for any occurrence of trouble and save any video recording of such.

## A System Maker aims to introduce the display...

**With GP-Pro EX that saves time for development, the GP-3600T adoption system can be developed quickly!**

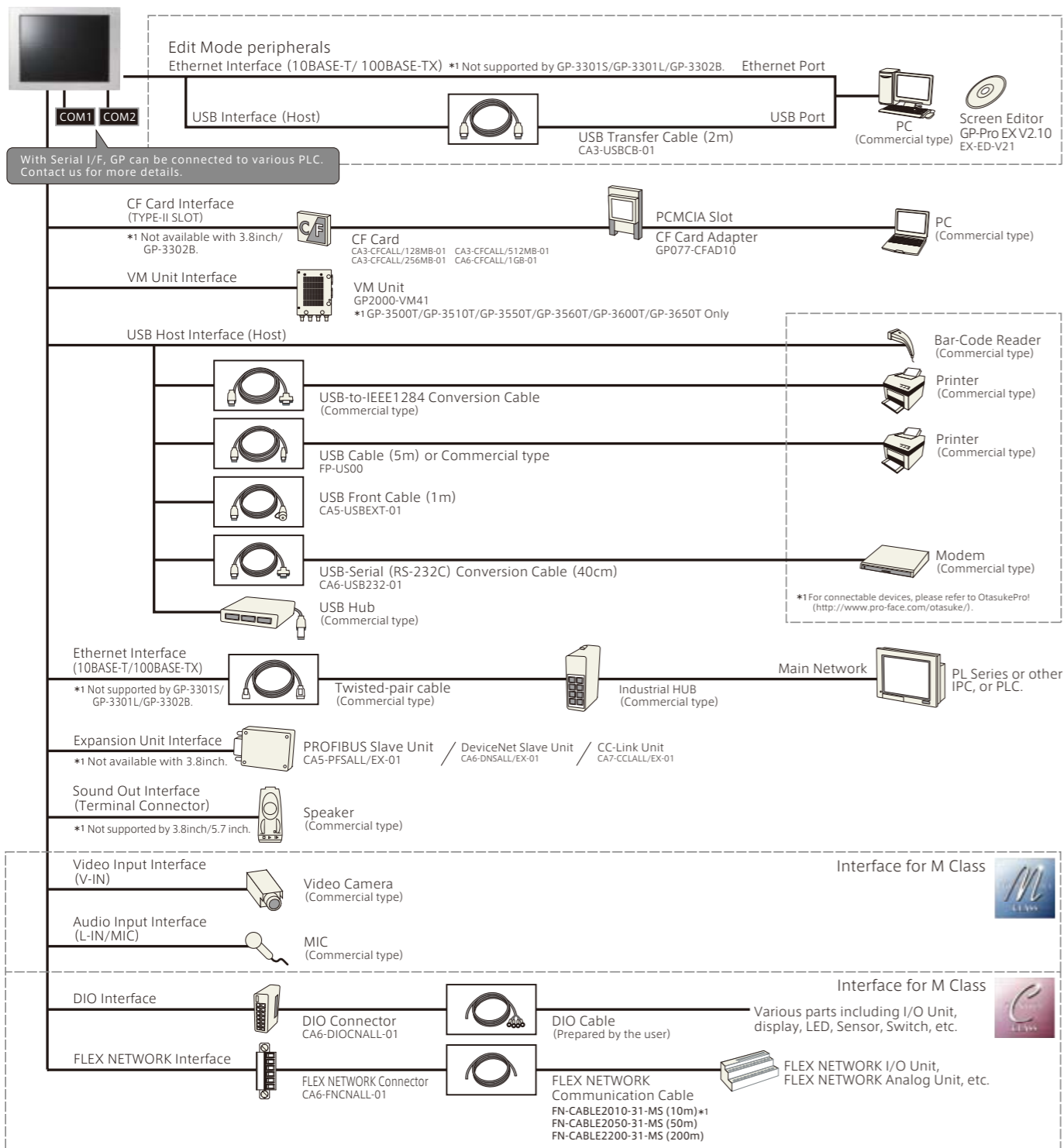
(A)System Maker created many control panels with switches and lamps lined up but recently has been investigating substitution with touch panels as changing to a flat layout is troublesome. However, introduction was difficult because the operator required for screen development was considered to cause a considerable burden. Thus, (A)System Maker re-applied its research to produce GP-3600T. The grounds for introduction were easy-to-use display creation software. Engineers using GP-Pro EX for the first time should have no trouble at all thanks to implementation of sensory image operation and should complete development in a considerably short amount of time. The display created may be used again for any size model, thus minimizing labor thereon. This was the objective of (A)System Maker.



Series Line-up	M Class Multimedia class	C Class Control class	S Class Standard class
	M class features multimedia functions which enable interactive communication with your system.	C class features control functions with flexible system expansion to create intelligence in your system	S class is a standard model with enhanced features of human machine interface.
15 inch	<b>GP-3750T XGA</b> TFT 65,536 colors [AC]AGP3750-T1-AF *1 [DC]AGP3750-T1-D24 *2		
12.1 inch	<b>GP-3650T SVGA</b> TFT 65,536 colors [AC]AGP3650-T1-AF *1	<b>GP-3600T SVGA</b> TFT 65,536 colors DIO (Sink) [AC]AGP3600-T1-AF-D81K *1 [DC]AGP3600-T1-D24-D81K *2 DIO (Source) [AC]AGP3600-T1-AF-D81C *1 [DC]AGP3600-T1-D24-D81C *2 FLEX NETWORK [AC]AGP3600-T1-AF-FN1M *1 [DC]AGP3600-T1-D24-FN1M *2	<b>GP-3600T SVGA</b> TFT 65,536 colors [AC]AGP3600-T1-AF *1 [DC]AGP3600-T1-D24 *2
10.4 inch	<b>GP-3560T 3550T SVGA/VGA</b> TFT 65,536 colors [AC]AGP3560-T1-AF *1 [AC]AGP3550-T1-AF *1	<b>GP-3500T VGA</b> TFT 65,536 colors DIO (Sink) [AC]AGP3500-T1-AF-D81K *1 [DC]AGP3500-T1-D24-D81K *2 DIO (Source) [AC]AGP3500-T1-AF-D81C *1 [DC]AGP3500-T1-D24-D81C *2 FLEX NETWORK [AC]AGP3500-T1-AF-FN1M *1 [DC]AGP3500-T1-D24-FN1M *2	<b>GP-3510T 3500T SVGA/VGA</b> TFT 65,536 colors [AC]AGP3510-T1-AF *1 [AC]AGP3500-T1-AF *1 [DC]AGP3500-T1-D24 *2
7.5 inch	<b>GP-3450T VGA</b> TFT 65,536 colors [DC]AGP3450-T1-D24 *2	<b>GP-3500S/L VGA</b> STN 4,096 colors MONO 16 shades DIO (Sink) [AC]AGP3500-S1-AF-D81K *1 [DC]AGP3500-S1-D24-D81K *2 DIO (Source) [AC]AGP3500-S1-AF-D81C *1 [DC]AGP3500-S1-D24-D81C *2 [DC]AGP3500-L1-D24-D81C *2	<b>GP-3500S/L VGA</b> STN 4,096 colors MONO 16 shades [AC]AGP3500-S1-AF *1 [DC]AGP3500-S1-D24 *2 [DC]AGP3500-L1-D24 *2
5.7 inch	<b>GP-3400T/S VGA</b> TFT 65,536 colors [DC]AGP3400-T1-D24 *2	<b>GP-3400T/S VGA</b> TFT 65,536 colors STN 4,096 colors DIO (Sink) [DC]AGP3400-T1-D24-D81K *2 [DC]AGP3400-S1-D24-D81K *2 DIO (Source) [DC]AGP3400-T1-D24-D81C *2 [DC]AGP3400-S1-D24-D81C *2 FLEX NETWORK [DC]AGP3400-T1-D24-FN1M *2 [DC]AGP3400-S1-D24-FN1M *2	<b>GP-3400T/S VGA</b> TFT 65,536 colors STN 4,096 colors [AC]AGP3400-T1-D24 *2 [DC]AGP3400-S1-D24 *2
3.8 inch		<b>GP-3300T/S/L QVGA</b> TFT 65,536 colors STN 4,096 colors MONO 16 shades DIO (Sink) [DC]AGP3300-T1-D24-D81K *2 [DC]AGP3300-S1-D24-D81K *2 [DC]AGP3300-L1-D24-D81K *2 DIO (Source) [DC]AGP3300-T1-D24-D81C *2 [DC]AGP3300-S1-D24-D81C *2 [DC]AGP3300-L1-D24-D81C *2 FLEX NETWORK [DC]AGP3300-T1-D24-FN1M *2 [DC]AGP3300-L1-D24-FN1M *2 There is a type compliant to DIO and FLEX NETWORK in the above-mentioned Control Class. DIO type 6 input points and 2 output points FLEX NETWORK type Bit variable input/output: 512 points maximum Integer variable input/output: 128 points maximum	<b>GP-3300T/S/L QVGA</b> TFT 65,536 colors STN 4,096 colors MONO 16 shades [DC]AGP3300-T1-D24 *2 [DC]AGP3300-S1-D24 *2 [DC]AGP3300-L1-D24 *2 <b>GP-3301S/L 3302B QVGA</b> STN 4,096 colors MONO 16 shades BLUE 16 shades Models without Ethernet [DC]AGP3301-S1-D24 *2 [DC]AGP3301-L1-D24 *2 [DC]AGP3302-B1-D24 *2
		<b>GP-3200T/A QVGA</b> TFT 256 colors MONO (Amber/Red) 8 shades [DC]AGP3200-T1-D24 *3 [DC]AGP3200-A1-D24 *3	

Feature Comparison	Screen size	15 inch	12.1 inch	10.4 inch	7.5 inch	5.7 inch	3.8 inch
	class	M	M	C	S	C	S
Interface	Ethernet	○	○	○	○	○	○
	USB (Host)	2	2	2	2	1	1
	Serial	2	2	2	2	2	2
	VM Unit (Video MIX)	—	○	○	△*5	—	—
	CF Card	○	○	○	○	○	○
Functions	AUX/Sound Out	○	○	○	○	○	○
	Expansion Unit *7	○	○	○	○	○	○
	Event recorder	○	○	○	○	○	○
	Video playback	○	○	○	○	○	○
	Logic External I/O Program	○	○	○	○	○	○
PLC Program	Internal operation	○	○	○	○	○	○
	RPA (Remote PC Access)	○	○	○	○	△*5	△*5
	Web server	○	○	○	○	○	○
	Multiple connections	4	4	4	4	4	2
	Ladder Monitor	○	○	○	○	○	○
GP Program	Device Monitor	○	○	○	○	○	○
	Pass-through	○	○	○	○	○	○
	Logic Monitor	○	○	○	○	○	○
	Address Monitor	○	○	○	○	○	○
	Online Edit	○	○	○	○	○	○
Power Supply	AC Type	○	○	○	○	○	○
	DC Type	○	○	○	○	○	○

\*4. Ethernet is not available with Model GP-3301/3302B. \*5. TFT type only. \*6. Except Model GP-3302B. \*7. For field bus unit installation, Cannot be used concurrently with VM Unit. \*8. Except Model GP-3301/3302B. \*9. Excludes Model GP-3510T.



Options				
<b>PROFIBUS Slave Unit</b>	<b>DeviceNet Slave Unit</b>	<b>CC-Link Unit</b>	<b>VM Unit</b>	
PROFIBUS Slave Unit CA5-PFSALL/EX-01*2	DeviceNet Slave Unit CA6-DNSALL/EX-01*3	CC-Link Unit CA7-CCLALL/EX-01*3	VM Unit GP2000-VM41*4	
<b>FLEX NETWORK Unit</b>				
32-point input Sink/Source type FN-X32TS41*5	16-input Sink/Source and 16-point transistor output Sink type FN-XY16SK41*5	32-pin input Sink/Source and 32-point transistor output Sink type FN-XY32SK41*5	2-channel Analog/Digital Conversion Unit FN-AD02AH41*6	4-channel Analog/Digital Conversion Unit FN-AD04AH11
	16-pin input Sink/Source and 16-point transistor output Source type FN-XY16SC41*5			

\*2. UL508, UL60950-1, ANSI/ISA-12.12.01-2000, UL1604, CSA-C22.2 No.14-95M (c-UL approval), CSA-C22.2 No.213-M1987 (c-UL approval), CAN/CSA C22.2 No.60950-1-03 (c-UL approval), EN55011 Class A and EN61000-6-2 \*3. UL508, UL60950-1, ANSI/ISA-12.12.01-2000, CSA-C22.2 No.142-M1987 (c-UL approval), CSA-C22.2 No.213-M1987 (c-UL approval), CAN/CSA C22.2 No.60950-1-03 (c-UL approval), EN55011 Class A and EN61000-6-2 \*4. UL508, UL1604, CAN/CSA-C22.2, Nos.142, and 213-M1987, EN55011 Class A and EN61000-6-2 \*5. UL508, CAN/CSA-C22.2, No.1010.1, EN55011 Class A and EN61000-6-2 \*6. UL508, CAN/CSA-C22.2, No.1010.1-92 (c-UL approval), EN55011 Class A and EN61000-6-2

# LT3000 SERIES

Graphic Logic Controllers

Response software GP-Pro EX

All-in-one display/operation function on controller



**LT-3201A**

3.8 inch QVGA

LT3201-A1-D24-K (Sink Output Type) \*2

LT3201-A1-D24-C (Source Output Type) \*2

- 12-point inputs, 6-point outputs
- Interface for Pro-face's EX Modules (Up to two EX modules can be connected)
- Monochrome Amber / Red LCD
- 320 x 240 pixels
- Black and White · 8 Shades

I/F | AUX Unit I/Fx1 / USBx1 / EX Module I/Fx1

**LT-3301L**

5.7 inch QVGA

LT3301-L1-D24-K (Sink Output Type) \*1

LT3301-L1-D24-C (Source Output Type) \*1

- 16-point inputs, 16-point outputs
- Interface for Pro-face's EX Modules (Up to three EX modules can be connected)
- Monochrome LCD
- 320 x 240 pixels
- Black and White · 16 Shades

I/F | COMx1 / AUX Unit I/Fx1 / USBx1 / EX Module I/Fx1

**LT-3300S/L**

5.7 inch QVGA

LT3300-S1-D24-K (Sink Output Type) \*1

LT3300-S1-D24-C (Source Output Type) \*1

LT3300-L1-D24-K (Sink Output Type) \*1

LT3300-L1-D24-C (Source Output Type) \*1

- 16-point inputs, 16-point outputs
- Interface for Pro-face's EX Modules (Up to three EX modules can be connected)
- STN Color LCD (LT-3300S) / Monochrome LCD (LT-3300L)
- 320 x 240 pixels
- 4,096 Colors (LT-3300S) / Black and White · 16 Shades (LT-3300L)

I/F | COMx1 / Ethernetx1 / AUX Unit I/Fx1 / USBx1 / EX Module I/Fx1

\*1. UL508, ANSI/ISA-12.12.01-2007 Rev. 1 or later, CSA-C22.2 No.142-M1987, CSA-C22.2 No.213-M1987, EN55011 Class A, EN61000-6-2 \*2. UL508, ANSI/ISA-12.12.01-2000 Rev. B or later, CSA-C22.2 No.142-M1987, CSA-C22.2 No.213-M1987, EN55011 Class A, EN61000-6-2

LT3000 SERIES is for those who desire...

**Adding a display while avoiding extra cost.**

With LT3000...

Control, display, and operation are performed by one piece of equipment to cut down on equipment and keep cost at a minimum.

**Possible future system expansion.**

With LT3000...

All 13 types of I/O units may be expanded into 3 modules maximum (LT-3201A can be expanded into 2 modules maximum). Flexible options for equipment and function upgrades.

**EX Modules**

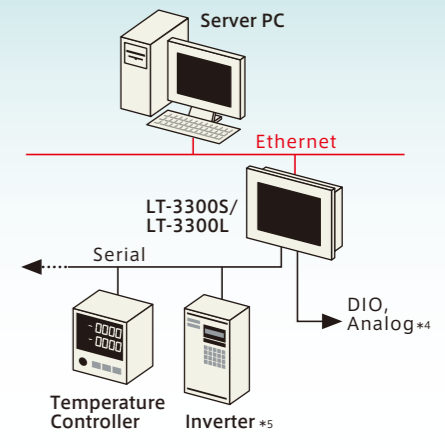
- 8-Point Input Module
- 16-Point Input Module
- 8-Point Relay Output Module
- 16-Point Relay Output Module
- 8-Point Sink Output Module
- 16-Point Sink Output Module
- 8-Point Source Output Module
- 16-Point Source Output Module
- 4-Point Input/4-Point Output Module
- 2-ch Analog Input Module
- Thermocouple Pt100 Input / 1-ch Analog Output Module
- 2-ch Analog Input/ 1-ch Analog Output Module
- 1-ch Analog Output Module

**B** Manufacturer aims for low-cost system development...

Example Solutions

A small-sized information gathering system can be realized with LT-3300S, without installing a PLC.

(B)System Maker was entrusted by a client to introduce IT on site. However, building a system using a display and PLC requires costs for hardware that exceed the budget. That is why this manufacturer decided to adopt LT-3300S. This controller not only includes display, operation, and control functions all in one piece of equipment, but with the Serial I/F\*3 included, direct connection to equipment on site is also possible even without a PLC. Furthermore, it is possible to send information obtained on site to a main computer thanks to the Ethernet I/F mounted. A system was developed which saves on costs using the smallest possible unit.



\*3. LT-3201A is not equipped with Serial I/F. \*4. Analog input/output and temperature input is possible with the EX module. \*5. Connection driver is updated as needed.

# PS3000 SERIES

Smart Panel Computers

Response software GP-Pro EX WinGP

Slim-type design makes it strong enough for a rough production environment.



## PS-3450A/3451A

**8.4 inch SVGA 1 Slot (PS-3450A)**

PS3450A-T41 (Intel® Celeron® M 1.0GHz)\*1  
 PS3450A-T41-24V (Intel® Celeron® M 600MHz)\*2  
 PS3451A-T41-24V (Fanless Intel® Celeron® M 600MHz)\*2

- Intel® Celeron® M 1.0GHz or M 600MHz
- Windows® 2000/XP/XP Embedded
- PC/AT-compatible panel computers
- HDD or CF card-bootable

I/F	PS-3450A COM×2 / USB×4 LAN×2 / CF×2 Sound×1 / PCI×1	PS-3451A COM×2 / USB×4 LAN×2 / CF×2 Sound×1
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## PS-3650A/3651A

**12.1 inch XGA 1 Slot (PS-3650A)**

PS3650A-T41 (Intel® Celeron® M 1.3GHz)\*3  
 PS3650A-T41-24V (Intel® Celeron® M 1.3GHz)\*3  
 PS3651A-T41 (Fanless Intel® Celeron® M 600MHz)\*3  
 PS3651A-T41-24V (Fanless Intel® Celeron® M 600MHz)\*3

- Intel® Celeron® M 1.3GHz or Intel® Celeron® M 600MHz
- Windows® 2000/XP/XP Embedded
- PC/AT-compatible panel computers
- HDD or CF card-bootable

I/F	PS-3650A COM×1 / USB×5 / LAN×2 CF×1 / PCMCIA×1 Sound×1 / RAS×1 / PCI×1	PS-3651A COM×1 / USB×5 / LAN×2 CF×1 / PCMCIA×1 Sound×1 / RAS×1
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## PS-3710A/3711A/3700A

**15 inch XGA 1 Slot (PS-3710A)**

PS3710A-T41 (Pentium® M 1.6GHz)\*5 \*6  
 PS3710A-T41-24V (Pentium® M 1.6GHz)\*5  
 PS3711A-T41 (Fanless Intel® Celeron® M 600MHz)\*7  
 PS3711A-T41-24V (Fanless Intel® Celeron® M 600MHz)\*7  
 PS3700A-T41-ASU-P41 (Pentium® 4-M 1.7GHz)\*4

- Intel® Pentium® 4-M 1.7GHz or Intel® Pentium® M 1.6GHz or Intel® Celeron® M 600MHz
- Windows® 2000/XP/XP Embedded
- PC/AT-compatible panel computers
- HDD or CF card-bootable

I/F	PS-3710A COM×4 / USB×5 / LAN×2 CF×1 / DVD-ROM×1 / FDD×1 PCMCIA×2 / PS/2×1 Sound×1 / RAS×1 / PD×1	PS-3711A COM×2 / USB×5 / LAN×2 CF×1 / PCMCIA×2 / PS/2×1 Sound×1 / RAS×1	PS-3700A COM×4 / USB×3 / LAN×1 CF×1 / CD-ROM×1 / FDD×1 PCMCIA×2 / PS/2×2 Sound×1 / Printer×1 / PD×1
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\*1. UL508, CSA-C22.2, No.142-M1987, EN55011 Class A, EN61000-6-2 and EN60950-1 \*2. UL508, CSA-C22.2, No.142-M1987, EN55011 Class A, EN61000-6-2 \*3. UL508, CSA-C22.2, No.142-M1987, EN60950, EN55011 Class A and EN61000-6-2 \*4. UL508, CAN/CSA22.2, No.14-1995 and CAN/CSA22.2 No. 60950, EN60950, EN61000-6-4 (Group 1, Class A), EN61131-2, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11, EN61000-4-12, 47 CFR Part 15 Class A \*5. UL508, CSA-C22.2, No.142-M1987, EN55011 Class A, EN61000-6-2 and EN60950-1 \*6. The first lot of PS3711A-T41 is not compatible with UL and CSA. \*7. UL508, CSA-C22.2, No.142-M1987, EN55011 Class A, EN61000-6-2 \*\* Windows® 2000 refers to Windows® 2000 Professional and Windows® XP refers to Windows® XP Professional.

PS3000 SERIES is for those who desire...

<p><b>Those for whom creating a visual screen is troublesome.</b></p> <p>With PS3000...</p> <p>Various peripheral devices can be easily connected using screens created with GP-Pro EX.</p> <p>Please refer to "WinGP" of page 9 for more details.</p>	<p><b>Prevent HDD trouble.</b></p> <p>With PS3000...</p> <p>HDD-less for Windows XP Embedded models. Greatly reduce the risk of system failure.</p>	<p><b>We want to implement predictive maintenance for equipment...</b></p> <p>With PS3000...</p> <p>Prevent trouble beforehand using the RAS function, which detects signs of malfunction.</p>
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# PL3000 SERIES

Industrial Computers

Response software GP-Pro EX WinGP

Rugged and High-Reliability Industrial Computers



## PL-3600T/K

**12.1 inch SVGA 4/2 Slots**

APL3600-TA\*1, APL3600-KA\*1 (Keypad Model)  
 APL3600-TD\*1, APL3600-KD\*1 (Keypad Model)

- Core™ Duo 2.0GHz Intel® Celeron® M 440 1.86GHz
- Windows® XP/XP Embedded
- PC/AT-compatible panel computers
- HDD or CF card-bootable

I/F	COM×4 / USB×5 / LAN×2 PCI×4 or 2 / CF×1 / DVI-I×1 / RAS×1 SOUND×1 / DVD-ROM×1 (option)
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## PL-3700T/K

**15 inch XGA 4/2 Slots**

APL3700-TA\*1, APL3700-KA\*1 (Keypad Model)  
 APL3700-TD\*1, APL3700-KD\*1 (Keypad Model)

- Core™ Duo 2.0GHz Intel® Celeron® M 440 1.86GHz
- Windows® XP/XP Embedded
- PC/AT-compatible panel computers
- HDD or CF card-bootable

I/F	COM×4 / USB×5 / LAN×2 PCI×4 or 2 / CF×1 / DVI-I×1 / RAS×1 SOUND×1 / DVD-ROM×1 (option)
-----	--

## PL-3900T

**19 inch SXGA 4/2 Slots**

APL3900-TA\*1  
 APL3900-TD\*1

- Core™ Duo 2.0GHz Intel® Celeron® M 440 1.86GHz
- Windows® XP/XP Embedded
- PC/AT-compatible panel computers
- HDD or CF card-bootable

I/F	COM×4 / USB×5 / LAN×2 PCI×4 or 2 / CF×1 / DVI-I×1 / RAS×1 SOUND×1 / DVD-ROM×1 (option)
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## PL-3000B

**4/2 Slots**

APL3000-BA (Core™ Duo 2.0GHz)\*2  
 APL3000-BA (Celeron® M440 1.86GHz)\*2  
 APL3000-BD (Core™ Duo 2.0GHz)\*3  
 APL3000-BD (Celeron® M440 1.86GHz)\*3

- Core™ Duo 2.0GHz or Intel® Celeron® M440 1.86GHz
- Windows® 2000/XP/XPE/XP Embedded

I/F	COM×4 / USB×4 / LAN×2 PCI×4 or 2 / CF×1 / DVI-I×1 / RAS×1 DVD-ROM×1 (option)
-----	--

\*1. UL508, CSA22.2, No.142, EN55011 Class A, EN61000-3-2, EN61000-3-3, EN61000-6-2, EN61131-2, EN60950 (AC model only), 47 CFR Part 15 Class A \*2. UL508, CSA-C22.2, No.142-M1987, EN55011 Class A, EN61000-6-2 and EN60950-1 \*3. UL508, CSA-C22.2, No.142-M1987, EN55011 Class A, EN61000-6-2

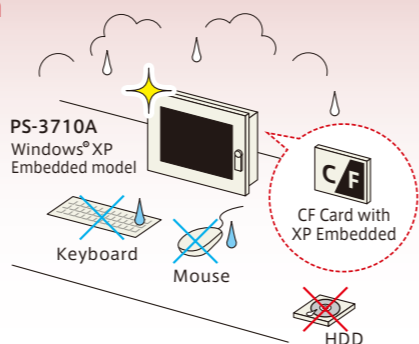
PL SERIES is for those who desire...

<p><b>Those for whom creating a visual screen is troublesome.</b></p> <p>With PL3000...</p> <p>Various peripheral devices can be easily connected using screens created with GP-Pro EX.</p> <p>Please refer to "WinGP" of page 9 for more details.</p>	<p><b>Those for whom a high performance FA computer is necessary</b></p> <p>With PL3000...</p> <p>Equipped with Core™ Duo 2.0GHz and high-speed CPU, PL offers a solution for control requiring high level processing.</p>	<p><b>We want to use PC at a site with continuous operation.</b></p> <p>With PL3000...</p> <p>HDD replacement is possible without shutting off system using the "soft mirror" and "hot swap".</p>
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**[C] factory is concerned about a bad environment on site...**

**With PS-3710A, we can introduce a smooth production control system without the trouble of setting up equipment specifically for dust and drip prevention.**

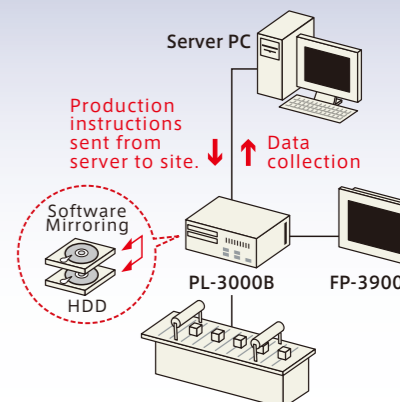
Because the manufacturing process at [C] Factory generates dust and steam, a computer requiring the use of a keyboard cannot easily be brought on site. Thus, the PS-3710A was introduced. This compact computer equipped with a touch panel eliminates both concern over damage to a keyboard and the need for drip or dust-proof equipment. Furthermore, HDD-less offers superior reliability. Finally, we were able to build a strong production system at a site with a harmful environment, for which even maintenance does not require opening up the computer thanks to a front-mounted USB.



**[D] factory's aim to conquer HDD trouble...**

**Succeeded in avoiding HDD trouble incidents beforehand at site of continuous operation with PL-3000B, in order to reduce interruption time of production line.**

[D] manufacturer experienced successive HDD trouble with the PC on-site, possibly due to the harsh conditions of its continuous operation. Stopping the equipment each time for repair caused a great loss. As a result of careful consideration PL-3000B was introduced. With its "Software Mirror Utility", this model makes it possible to constantly mirrored HDD data from two HDDs[RAID1] without a burden on CPU. In the case that trouble occurs on either HDD, it is possible to exchange the HDD cartridge without stopping the line, thus successfully reducing outage time and substantially improving the line's rate of operation.



Total easy operation from screen creation to programs, simulation, and operation.

Screen creation software

# GP-Pro EX

Created in the pursuit of easy operation that can be performed without trouble even by first-timers.

Corresponds to all GP 3000 series, LT 3000 series, PS 3000 series and PL 3000 series.

Download and use samples of screens, materials, and features from the "Otasuke-Pro!" support site.



[ Connection device sample ]



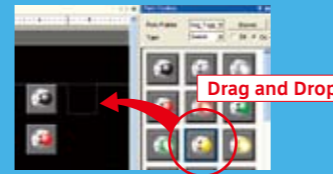
[ Screen sample ]



### 01 Screen creation

Operator required to create graphs is reduced with an easy-to-understand screen interface and touch operation.

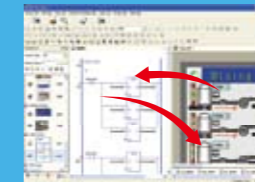
Select, drag, and drop for easy screen creation.



### 02 Programs

Control functions can be developed without trouble using a single software.

Logic program can easily be created using common ladder language thanks to the "Logic Program Function".



### 03 Simulation

You can conveniently verify operations by computer before transferring data to actual equipment.

Conveniently verify operations with "GP-Pro EX Simulation". Confirm debug using only a PC.



### 04 Operation

Display collected data in a chronological graph for practical use!

Chronologically display collected data using the "Historical Trend Graph". Display old data stored in buffering area, USB memory, or CF card.



Simultaneously record and verify the status of equipment while an alarm sounds.

Obtain PLC alarm messages and device values simultaneously using the "Interconnected Alarm & Log" to quickly determine the cause.



Record information on workers' operations and analyze trouble.

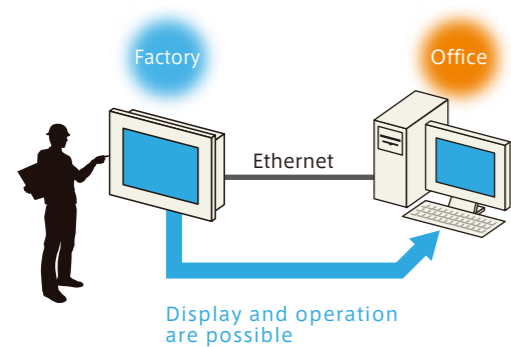
Stores "Who" "When" and "How" any operation was performed as an "Operation Log". Greatly reduce time required for analysis of trouble by referring to the "Operation Log" when an abnormality occurs.



#### Add-on software

## RPA (Remote PC Access)

With RPA, it is possible to view information on the screen of a computer in a separate location from the GP display.

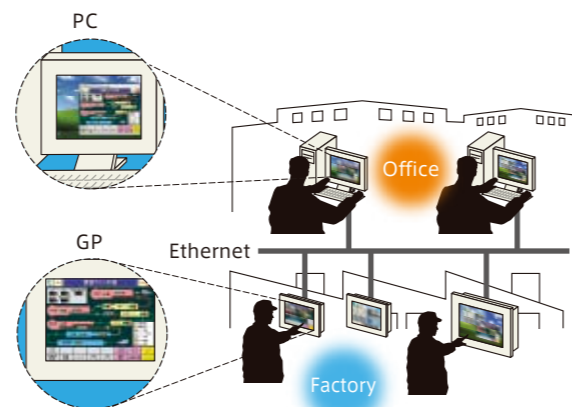


It is possible to access and work on computers from a site's GP via Ethernet, without bringing a laptop computer to the site. Information kept in the office computer, such as the blueprint and maintenance manual can therefore be viewed as well.

#### Remote monitoring software

## GP-Viewer EX

Remote surveillance of GP screen on computer from office far away from site!

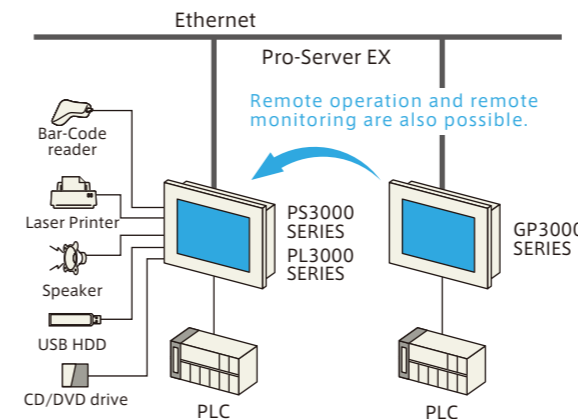


It is possible to view the site's actual GP screen and visually grasp a status using a computer connected to the Ethernet at a remote location. Trouble on-site can therefore be determined from the office.

#### Add-on software

## WinGP

Screen created with GP-Pro EX can be used in a Windows computer!

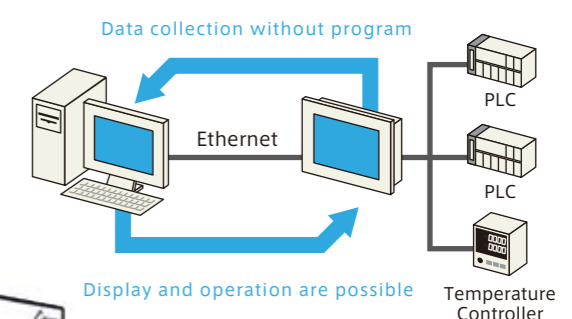


Until now, specialized software and skill were required to create FA computer screens. However, with WinGP, it has become possible to easily create screens using GP-Pro EX. \*WinGP works with ordinary PCs as well.

#### Data management software

## Pro-Server EX

Easily gather information on the display and equipment connected at low cost with the screen created using GP-Pro EX as a platform!



It is possible to collect information for the site following simple configuration. Information on the display may be collected on a main computer via Ethernet, and sent from the main computer to the site for production specifications.

# GP2000 SERIES

Graphic Operator Interfaces

Response software GP-PRO/PBIII

Beautiful Graphics and Easy Programming



## Main features of GP2000 SERIES

- Comes equipped with CF card I/F** Production information and BPM data may be stored on CF card. Screen set-up and back-up online can be rapidly performed.
- Comes equipped with Ethernet I/F** Data can be sent and received via Ethernet. Operation status of production equipment can be collected on a main computer to facilitate practical use of data.
- VM unit I/F may be mounted** Video surveillance is possible by attaching the optional VM unit to closely keep track of unmanned production lines.

## Other Models

GP SERIES

ST SERIES



### GP-477RE

GP477R-EG41-24V \*1 [DC24V]

GP477R-EG11 [AC100V]

- High Intensity EL
- 640 × 400 pixels
- Amber Colored Screen
- 2MB FEPRM

I/F | AUX / COM / Printer / Tool Connector



### GP-37W2B

GP37W2-BG41-24V \*2 [DC24V]

- Monochrome, Blue-mode LCD
- 320 × 240 pixels
- Blue and White
- 1MB FEPRM

I/F | COM / Tool Connector

### RS-422 Type

ST400-AG41-24V \*3 [DC24V]

I/F | COM / Tool Connector

### MPI Type

ST402-AG41-24V \*3 [DC24V]

I/F | COM / Expansion COM / Tool Connector

3.8 inch

- Fastest Compact Model
- 320 × 240 pixels
- High Visibility Amber Screen
- Maintenance-free Backlight
- Function Keys

### RS-232C Type

ST401-AG41-24V \*3 [DC24V]

I/F | COM / Tool Connector

### Ethernet Type

ST403-AG41-24V \*3 [DC24V]

I/F | COM / Tool Connector / Ethernet I/F



GP2000 SERIES	Powerful Performance and Ethernet I/F Models	Built-in CF Card I/F Models
12.1 inch SVGA	<b>GP-2600T</b> GP2600-TC41-24V *1 [DC24V] GP2600-TC11 *2 [AC100-240V] • TFT Color LCD • 800 × 600 pixels • 256 Colors • 4MB FEPRM I/F   Ethernet / CF Card / Sound / AUX / COM / Expansion COM / Printer / Tool Connector / Expansion BUS / VM Unit / Expansion CF Card	<b>GP-2601T</b> GP2601-TC11 *3 [AC100-240V] • TFT Color LCD • 800 × 600 pixels • 256 Colors • 4MB FEPRM I/F   CF Card / AUX / COM / Printer / Tool Connector / Expansion BUS
	<b>GP-2500T</b> GP2500-TC41-24V *1 [DC24V] GP2500-TC11 *2 [AC100-240V] • TFT Color LCD • 640 × 480 pixels • 256 Colors • 4MB FEPRM I/F   Ethernet / CF Card / Sound / AUX / COM / Expansion COM / Printer / Tool Connector / Expansion BUS / VM Unit / Expansion CF Card	<b>GP-2501T</b> GP2501-TC11 *3 [AC100-240V] • TFT Color LCD • 640 × 480 pixels • 256 Colors • 2MB FEPRM I/F   CF Card / AUX / COM / Printer / Tool Connector / Expansion BUS
	<b>GP-2500S</b> GP2500-SC41-24V *1 [DC24V] • STN Color LCD • 640 × 480 pixels • 64 Colors • 4MB FEPRM I/F   Ethernet / CF Card / Sound / AUX / COM / Expansion COM / Printer / Tool Connector / Expansion BUS / Expansion CF Card	<b>GP-2501S</b> GP2501-SC11 *3 [AC100-240V] • STN Color LCD • 640 × 480 pixels • 64 Colors • 2MB FEPRM I/F   CF Card / AUX / COM / Printer / Tool Connector / Expansion BUS
	<b>GP-2500L</b> GP2500-LG41-24V *1 [DC24V] • Monochrome LCD • 640 × 480 pixels • Black & White, Gray Scale • 4MB FEPRM I/F   Ethernet / CF Card / Sound / AUX / COM / Expansion COM / Printer / Tool Connector / Expansion BUS / Expansion CF Card	<b>GP-2501L</b> GP2501-LG41-24V *1 [DC24V] • Monochrome LCD • 640 × 480 pixels • Black & White, Gray Scale • 2MB FEPRM I/F   CF Card / AUX / COM / Printer / Tool Connector / Expansion BUS
7.4 inch VGA	<b>GP-2400T</b> GP2400-TC41-24V *4 [DC24V] • TFT Color LCD • 640 × 480 pixels • 256 Colors • 4MB FEPRM I/F   Ethernet / CF Card / Sound / AUX / COM / Expansion COM / Printer / Tool Connector / Expansion BUS	<b>GP-2401T</b> GP2401-TC41-24V *5 [DC24V] • TFT Color LCD • 640 × 480 pixels • 256 Colors • 2MB FEPRM I/F   CF Card / AUX / COM / Printer / Tool Connector / Expansion BUS
	<b>GP-2300T</b> GP2300-TC41-24V *6 [DC24V] • TFT Color LCD • 320 × 240 pixels • 256 Colors • 2MB FEPRM I/F   Ethernet / CF Card / COM / Expansion COM / Printer / Tool Connector / Expansion BUS	<b>GP-2301T</b> GP2301-TC41-24V *6 [DC24V] • TFT Color LCD • 320 × 240 pixels • 256 Colors • 1MB FEPRM I/F   CF Card / COM / Tool Connector / Expansion BUS
	<b>GP-2300S</b> GP2300-SC41-24V *6 [DC24V] • STN Color LCD • 320 × 240 pixels • 64 Colors • 2MB FEPRM I/F   Ethernet / CF Card / COM / Expansion COM / Printer / Tool Connector / Expansion BUS	<b>GP-2301S</b> GP2301-SC41-24V *6 [DC24V] • STN Color LCD • 320 × 240 pixels • 64 Colors • 1MB FEPRM I/F   CF Card / COM / Tool Connector / Expansion BUS
5.7 inch VQVGA	<b>GP-2300L</b> GP2300-LG41-24V *6 [DC24V] • Monochrome LCD • 320 × 240 pixels • Black & White, Gray Scale • 2MB FEPRM I/F   Ethernet / CF Card / COM / Expansion COM / Printer / Tool Connector / Expansion BUS	<b>GP-2301L</b> GP2301-LG41-24V *6 [DC24V] • Monochrome LCD • 320 × 240 pixels • Black & White, Gray Scale • 1MB FEPRM I/F   CF Card / COM / Tool Connector / Expansion BUS
	<b>GP-2401HT</b> GP2401H-TC41-24V *7 [DC24V] • TFT Color LCD • 640 × 480 pixels • 256 Colors • 2MB FEPRM I/F   Handheld / CF Card / COM / Tool Connector	<b>GP-2301HS</b> GP2301H-SC41-24V *7 [DC24V] • STN Color LCD • 320 × 240 pixels • 64 Colors • 1MB FEPRM I/F   Handheld / CF Card / COM / Tool Connector
Handheld Models GP2000H SERIES	<b>GP-2301HL</b> GP2301H-LG41-24V *7 [DC24V] • Monochrome LCD • 320 × 240 pixels • Black & White, Gray Scale • 1MB FEPRM I/F   Handheld / CF Card / COM / Tool Connector	

\*1. UL508, UL1604, CAN/CSA-C22.2, Nos. 142, and 213-M1987, EN55011 Class A, EN50082-2 \*2. UL1950 (Third Edition), dated July 26th, 1995, CAN/CSA-C22.2, No. 950-95, EN55011 class A and EN50082-2, CNS13438 (Class A) \*3. UL508, UL1604 (Rev. A or later), CAN-C22.2 No. 213-M1987, CAN-C22.2 No. 14, EN55011 class A and EN61000-6-2

\*1. UL508, UL1604, CAN/CSA-C22.2 No. 1010-1, EN55011 Class A and EN61000-6-2 \*2. UL60950, UL1604, CAN/CSA-C22.2 No. 60950-00, CAN/CSA-C22.2 No. 213-M1987, EN55011 Class A and EN61000-3-2, EN61000-3-3, EN61000-6-2, EN60950 \*3. UL60950, UL1604, CAN/CSA-C22.2 No. 60950-00 (c-UL approval), CSA-C22.2 No. 213-M1987 (c-UL approval), EN55011 Class A and EN61000-3-2, EN61000-3-3, EN61000-6-2, EN60950 \*4. UL508, UL1604, CAN/CSA-C22.2, Nos. 142, and 213-M1987, EN55011 Class A and EN61000-6-2 \*5. UL508, UL1604, CAN/CSA-C22.2, Nos. 142, and 213-M1987 (c-UL approval), EN55011 Class A and EN61000-6-2 \*6. UL1604, UL60950 (Third Edition), CAN/CSA-C22.2 No. 60950-00, No. 213-M1987, EN55011 class A, EN61000-6-2 \*7. UL60950 (Third Edition), CAN/CSA-C22.2 No. 60950-00, EN55011 class A and EN61000-6-2

# GLC SERIES

Graphic Logic Controllers

Response software GP-PRO/PBIII

Advanced HMI and Control in One Box



## GLC2300T/L 5.7 inch

GLC2300-TC41-24V\*1  
GLC2300-LG41-24V\*1

- TFT Color LCD
- Monochrome LCD
- 320 x 240 pixels
- 256 Colors
- 4MB FEPROM
- Black & White, Gray Scale
- 2MB FEPROM

I/F Ethernet / CF Card  
FLEX NETWORK I/O Unit / COM  
Expansion COM / Tool Connector / AUX

## GLC2400T 7.4 inch

GLC2400-TC41-24V\*2

- TFT Color LCD
- 640 x 480 pixels
- 256 Colors
- 4MB FEPROM

I/F Ethernet / CF Card  
FLEX NETWORK I/O Unit  
Sound / COM / Expansion COM  
Printer / Tool Connector / AUX

## GLC2500T 10.4 inch

GLC2500-TC41-24V\*3  
GLC2500-TC41-200V\*4

- TFT Color LCD
- 640 x 480 pixels
- 256 Colors
- 4MB FEPROM

I/F Ethernet / CF Card  
FLEX NETWORK I/O Unit / Sound  
COM / Expansion COM / Printer  
Tool Connector / AUX  
VM Unit / Expansion CF Card

## GLC2600T 12.1 inch

GLC2600-TC41-24V\*5  
GLC2600-TC41-200V\*6

- TFT Color LCD
- 800 x 600 pixels
- 256 Colors
- 4MB FEPROM

I/F Ethernet / CF Card  
FLEX NETWORK I/O Unit / Sound  
COM / Expansion COM / Printer  
Tool Connector / AUX  
VM Unit / Expansion CF Card

\*1. UL1604 and UL60950 (Third Edition), CAN/CSA-C22.2 No.60950-00 and No.213-M1987, EN55022 class A and EN50082-2 \*2. UL508, UL1604, CAN/CSA-C22.2, No.142 and 213-M1987 (c-UL approval), EN55011 Class A and EN61000-6-2 \*3. UL508, UL1604, CAN/CSA-C22.2, No.1010-1 (c-UL approval), EN55011 Class A and EN61000-6-2 \*4. UL60950, UL1604, CAN/CSA-C22.2, No.60950-00 (c-UL approval), CAN/CSA-C22.2, No.213-M1987 (c-UL approval), EN55011 Class A and EN61000-3-2, EN61000-3-3, EN61000-6-2, EN60950 \*5. UL508, UL1604, CAN/CSA-C22.2, No.1010-1 (c-UL approval), EN55011 Class A and EN61000-6-2 \*6. UL60950, UL1604, CAN/CSA-C22.2, No.60950-00 (c-UL approval), CAN/CSA-C22.2, No.213-M1987 (c-UL approval), EN55011 Class A and EN61000-3-2, EN61000-3-3, EN61000-6-2, EN60950

# LT SERIES

Graphic Logic Controllers

Response software GP-PRO/PBIII

Low Cost HMI and Control with Built-in I/O



## Color LCD Model

5.7 inch QVGA

UL, CE [DC24V]

- STN Color LCD
- 1MB FEPROM
- 320 x 240 pixels
- 64 Colors



## Blue Monochrome LCD Model

5.7 inch QVGA

UL, CE [DC24V]

- Blue-mode monochrome LCD
- 1MB FEPROM
- 320 x 240 pixels
- Blue and White

<b>Type A1</b>	16-point inputs, 16-point outputs (Built-in) Sink Type GLC150-BG41-XY32SK-24V *1 GLC150-SC41-XY32SK-24V (Color) *1	<b>Type B+</b>	16-point inputs, 16-point outputs (Built-in) + FLEX NETWORK I/F GLC150-BG41-XY32KF-24V *1 GLC150-SC41-XY32KF-24V (Color) *1	<b>Type C</b>	Built-in SIO + FLEX NETWORK I/F GLC150-BG41-RSFL-24V *1	
<b>Type A2</b>	16-point inputs, 16-point outputs (Built-in) Source Type GLC150-BG41-XY32SC-24V *1	<b>Type B</b>	Built-in FLEX NETWORK I/F GLC150-BG41-FLEX-24V *1	<b>Type D**</b>	Built-in Device Net GLC150-BG41-DNM-24V *1 *Marketed only by Pro-face America, Inc.	
<b>Type H</b>	<b>Type H-AD</b>	16-point inputs, 16-point outputs (Built-in) + 2-point AD/1-point DA	<b>H1 (Sink Output Type)</b>	<b>H2 (Source Output Type)</b>	GLC150-BG41-ADC-24V *2 GLC150-BG41-ADTC-24V *2 GLC150-BG41-ADPC-24V *2	
	<b>Type H-ADT</b>	16-point inputs, 16-point outputs (Built-in) + 2-point AD/2-point DA+3-point Thermocouple Input				GLC150-BG41-ADK-24V *2 GLC150-SC41-ADK-24V (Color) *2 GLC150-BG41-ADTK-24V *2 GLC150-SC41-ADTK-24V (Color) *2 GLC150-BG41-ADPK-24V *2 GLC150-SC41-ADPK-24V (Color) *2
	<b>Type H-ADP</b>	16-point inputs, 16-point outputs (Built-in) + 2-point AD/2-point DA+2-point Pt100 Input				

\*\* These units comply with UL, CE standards  
\*1. UL508, UL1604, CAN/CSA-C22.2, No.1010-1, EN55011 Class A and EN61000-6-2, CNS 13438 (Class A) \*2. UL508, UL1604, CAN/CSA-C22.2, No.1010-1, EN55011 Class A and EN61000-6-2

Screen Editor and Logic Program Development Software

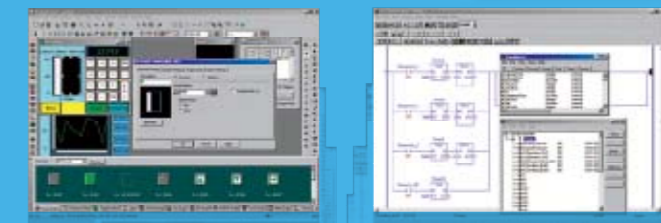
# GP-PRO/PBIII Package

GP-PRO/PBIII Package

Easy Screen Creation & Logic Program Development

Enjoy the benefits of having screen creation and logic program development in a single, integrated package. Create easy-to-use HMI environments with simple drag & drop mouse operation.

(Software supported by the GP Series (except GP3000 Series), ST Series, GLC Series and LT Series.)



Easy Screen Creation

Easy Logic Programming

## Attractive Fonts

### Windows font display

Windows fonts can be displayed as bitmap data on the HMI screen just as you want them.

### Integral-multiple fonts

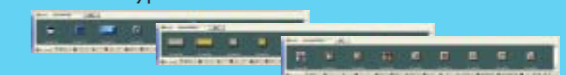
Now you can enlarge fonts in the usual scaling factors of 1, 2, 4 and 8, and in any magnification rate between 1 and 8. This lets you precisely adjust character size to match your layout.



## Beautiful Graphic

### Select from 1,200 image parts

Create screens quickly and easily by simply arranging parts and marks selected from 1,200 available types.



### Create and use your own BMP parts

Create your own image parts or use parts created in the past.



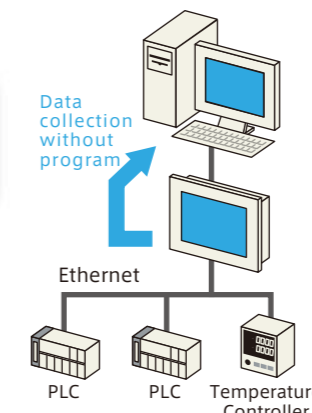
Data Collection Software

# Pro-Server with Pro-Studio

PSW-ED01-V\*\*

Real-Time Data Collection

It is possible to collect information for the site following simple configuration. Information on Pro-face may be collected on a main computer via Ethernet, and sent from the main computer to the site for production specifications.



Pro-Server Add-on Software

# GP-Viewer

PSW-GV01-V\*\*

HMI screen at the production site can be monitored directly on Pro-Server. Use the data playback feature to check previously recorded production data and visually trace the source of hard-to-find problems.



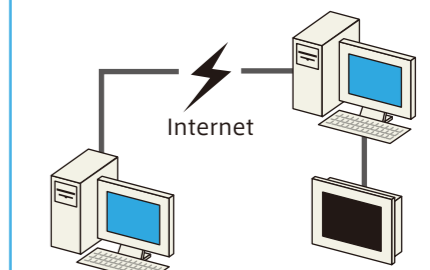
Web Operation Software

# GP-Web

GW-CJ01-V\*\*

Remote Monitoring

It is possible to monitor a production site in real-time using the Internet or a cell phone irrelevant of time and place.



View GP screen from remote location!



# PS SERIES

Smart Panel Computers



Compact-type design makes it strong enough for a rough production environment.

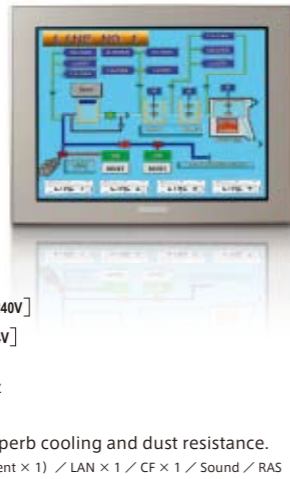
With Windows® CE  
[ Type G ]

## PS-3600G

12.1 inch SVGA Windows CE 5.0

PS3600G-T41 \*1 [AC100-240V]  
PS3600G-T41-24V \*2 [DC24V]

- Windows® CE panel computers
  - Intel® XScale® PXA 270 520MHz
  - Diskless operation
  - PCMCIA support (optional)
  - Aluminum die-cast body for superb cooling and dust resistance.
- I/I/F | COM x 2 / USB x 4 (host x 3 / client x 1) / LAN x 1 / CF x 1 / Sound / RAS



High Reliability  
Industrial PC's

[ Type B ]

## PS-2000B

3 Slots Windows 2000 Windows XP Windows XP Embedded

PS2000B-41 \*3 [AC100-240V]

- PC/AT-compatible computer in tower case
  - Pentium® III 1GHz or Celeron® 566MHz CPUs
  - Dual hard disk drive compatible
  - Hard disk drive or CF card bootable
- I/I/F | COM x 4 / USB x 4 / LAN x 2 / PS/2 x 2 / PCI x 3 / RGB / DVI / Sound / RAS



\*1. UL60950-1, CAN/CSA-C22.2 No.60950-1 (c-UL approval) \*2. UL508, CSA-C22.2 No.14-95 (c-UL approval) \*3. UL60950 (Third Edition), CSA-C22.2 No.950-M95, EN60950, EN55011 (Group 1 Class A), EN61000-3-2, EN61000-3-3, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11

# PL SERIES

FA Panel Computers



Rugged and High-Reliability Industrial Panel Computers



## PL-6930T

12.1 inch SVGA 4 Slots Windows 2000 Windows XP Windows XP Embedded

PL6930-T42-PM (Pentium® M 1.6GHz) \*1 [AC100-240V]  
PL6930-T42-CM (Celeron® M 1.3GHz) \*1 [AC100-240V]  
PL6930-T41 (Fanless/ Celeron® M 1.3GHz) \*1 [AC100-240V]

- PC/AT-compatible panel computers
  - Intel® Pentium® M 1.6GHz or Celeron® M 1.3GHz CPUs
  - Hard disk drive or CF card bootable
- I/I/F | COM x 4 / USB x 3 / LAN x 2 / PCI/ISA x 2 / PCI x 1 / ISA x 1 / PCMCIA / Sound / RAS



## PL-7930T

15 inch XGA 4 Slots Windows 2000 Windows XP Windows XP Embedded

PL7930-T42-PM (Pentium® M 1.6GHz) \*1 [AC100-240V]  
PL7930-T42-CM (Celeron® M 1.3GHz) \*1 [AC100-240V]  
PL7930-T41 (Fanless/ Celeron® M 1.3GHz) \*1 [AC100-240V]

- PC/AT-compatible panel computers
  - Intel® Pentium® M 1.6GHz or Celeron® M 1.3GHz CPUs
  - Hard disk drive or CF card bootable
- I/I/F | COM x 4 / USB x 3 / LAN x 2 / PCI/ISA x 2 / PCI x 1 / ISA x 1 / PCMCIA / Sound / RAS

## PL-6931T

12.1 inch SVGA 2 Slots Windows 2000 Windows XP Windows XP Embedded

PL6931-T42-PM (Pentium® M 1.6GHz) \*1 [AC100-240V]  
PL6931-T42-CM (Celeron® M 1.3GHz) \*1 [AC100-240V]  
PL6931-T41 (Fanless/ Celeron® M 1.3GHz) \*1 [AC100-240V]

- PC/AT-compatible panel computers
  - Intel® Pentium® M 1.6GHz or Celeron® M 1.3GHz CPUs
  - Hard disk drive or CF card bootable
- I/I/F | COM x 4 / USB x 3 / LAN x 2 / PCI/ISA x 1 / ISA x 1 / PCMCIA / Sound / RAS

## PL-7931T

15 inch XGA 2 Slots Windows 2000 Windows XP Windows XP Embedded

PL7931-T42-PM (Pentium® M 1.6GHz) \*1 [AC100-240V]  
PL7931-T42-CM (Celeron® M 1.3GHz) \*1 [AC100-240V]  
PL7931-T41 (Fanless/ Celeron® M 1.3GHz) \*1 [AC100-240V]

- PC/AT-compatible panel computers
  - Intel® Pentium® M 1.6GHz or Celeron® M 1.3GHz CPUs
  - Hard disk drive or CF card bootable
- I/I/F | COM x 4 / USB x 3 / LAN x 2 / PCI/ISA x 1 / ISA x 1 / PCMCIA / Sound / RAS

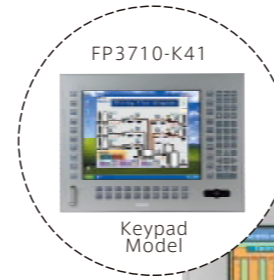
\*1. UL508, CSA-C22.2, No. 142-M1987 (c-UL approval), EN55011 Class A, EN61000-3-2, EN61000-3-3, EN61000-6-2 and EN60950-1  
\*\* Windows® 2000 refers to Windows® 2000 Professional and Windows® XP refers to Windows® XP Professional.

# FP3000 SERIES

Industrial Flat Panel Displays



Touch Screen Displays with Standard DVI Compatibility



FP3710-K41

Keypad Model



## FP-3500T

10.4 inch VGA

FP3500-T41-24V \*1 [DC24V]  
FP3500-T11 [AC100-240V]

- Rear USB Interface
- TFT Color LCDs
- Support for displaying analog
- VESA standard for mounting on stand or arm\*

I/I/F | Analog RGB x 1 / DVI x 1  
USB x 1 / COM x 1

\* Required an optional cover

## FP-3600T/3650T

12.1 inch SVGA XGA

FP3600-T41-24V \*1 [DC24V]  
FP3600-T11 [AC100-240V]  
FP3650-T41 \*2 [AC100-240V]

- Rear USB Interface
- TFT Color LCDs
- Support for displaying analog
- VESA standard for mounting on stand or arm\*

I/I/F | Analog RGB x 1 / DVI x 1  
USB x 1 / COM x 1

\* Required an optional cover

## FP-3710T/K

15 inch XGA

FP3710-T41-U \*3 [AC100-240V]  
FP3710-T41 \*3 [AC100-240V]  
FP3710-K41 \*3 [AC100-240V]

- Front USB Interface (FP3710-T41-U)
- Large and premium quality
- TFT Color LCDs
- Support for displaying analog

I/I/F | Analog RGB x 1 / DVI x 1  
USB (Front) x 1 / COM x 1

## FP-3900T

19 inch SXGA

FP3900-T41-U \*3 [AC100-240V]  
FP3900-T41 \*3 [AC100-240V]

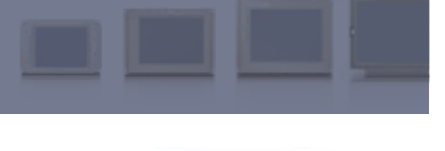
- Front USB Interface (FP3900-T41-U)
- Large and premium quality
- TFT Color LCDs
- Support for displaying analog

I/I/F | Analog RGB x 1 / DVI x 1  
USB (Front) x 1 / COM x 1

\*1. UL508, CSA-C22.2, No.142-M1987, EN55011 Class A and EN61000-6-2 \*2. UL60950-1 (First Edition), CSA-C22.2, No.60950-1-03, EN55011 Class A and EN61000-6-2 \*3. UL508, CSA-C22.2, No.142-M1987, EN55011 Class A, EN61000-6-2 and EN60950-1 First Edition

# UF SERIES

Industrial Flat Panel Displays



Individual device



## UF5310

6.5 inch VGA

UF5310-2 \*1 [AC100-240V]  
• TFT Color LCD



## UF5510

10.4 inch VGA

UF5510-2-1 \*2 [AC100-240V]  
• TFT Color LCD



## UF6610

12.1 inch SVGA

UF6610-2-1 \*2 [AC100-240V]  
• TFT Color LCD



## UF7811-2

15 inch XGA

UF7811-2-DV1-24V \*3 [AC100-240V]  
• TFT Color LCD

\*1. UL60950 (Third Edition), CAN/CSA C22.2 No. 60950-00 (c-UL approval) \*2. EN55011 Group 1 Class A, EN61000-6-2 \*3. EN55011 Class A, EN61000-6-2  
\*\* Available on special request. Please consult a Pro-face sales representative for details regarding the above monitors.

# This is the reason for number one sales in the world.

There is a reason why we continue to get good reviews around the world such as "Digital is the best for programmable display". Not only we do offer hardware with high-performance and advanced technology, but it is also easy to use. Digital cares about users and that is the reason for the 5 features behind the number one brand in the world.

An International Brand  
You Can Rely On.

Over 30 Years of  
HMI Reliability

**Pro-face®**

Technological and  
Communication  
Strength

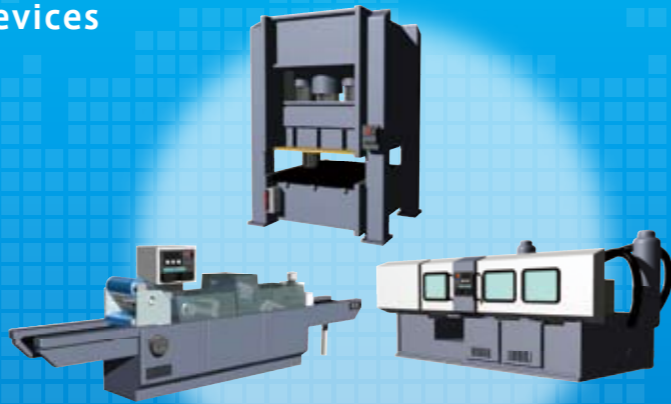
Global Network  
Global Support

Pro-face  
Special feature

## 01 Connects to a wide variety of models!

**Supports many connection device drivers. Program-less connection to many devices at production site is possible.**

Since Digital, a manufacturer specializing in indicators, released programmable displays, we've concentrated our efforts in supporting drivers that connect to diverse devices by various manufacturers. By introducing Pro-face products, "connect simply by connecting" to a PLC or controller, etc., currently being used on site without having to deal with any program. Such convenience is a feature only offered by Digital.

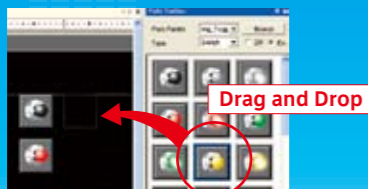


Pro-face  
Special feature

## 02 Easy to use for beginners

**Touch-operated software makes it easy for anyone to create a screen without specialized knowledge.**

The reason we receive great reviews such as "Digital makes it easy to create screens" is thanks to our screen creation software "GP-Pro EX" developed for easy operation. For example, use the drag and drop function to move parts you choose and create a new screen simply by touch.



Pro-face  
Special feature

## 03 Effective use of property

**Compatibility of our first ever software sold in 1989 with new software has been secured, so you can effectively use previously created screens.**

One of the reasons people choose "Digital" is that you can continue to use the same screen. Even when replacing display, screens previously created may still be used as such.



Pro-face  
Special feature

## 04 Perfect anywhere in the world.

**Compliant with overseas standards so it can be exported around the world. Expanding worldwide through our sales offices around the world.**



**Compliant with safety standards**

Compliance with safety standards makes it possible to integrate with exportation organizations with ease of mind.

**Compatible with environmentally friendly RoHS directive**

We make products compatible with Restrictions of Hazardous Substances (RoHS) for shipping to the European market. We have been making sequential changes since March 2007 to meet the Chinese RoHS.

For the latest information on our International Sales Offices...

[http://www.pro-face.com/company\\_e/proface/offices.htm](http://www.pro-face.com/company_e/proface/offices.htm)

**Global support for ease of mind all over the world.**

Pro-face provides hospitable support through our support centers around the world.

Telephone and Email support

Web support

Repair

Seminar

Site procurement

Overseas support site ensures ease of mind and responds to countries of export.

### "Otasuke Pro!"

Downloads available of necessary documents related to export for export to other countries, as well as data and information such as English manuals.

"Otasuke Pro!" English site... <http://www.pro-face.com/otasuke/>

FREE membership

