Pro-face

by **Schneider** Electric

2018 Brochure

Pro-face

by **Schneider** Electric

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A Global Leader for 40+ Years

For over 40 years, Pro-face has set the standard for Human Machine Interface and Industrial Personal Computers. A global company, with a local presence, Pro-face provides global product availability, support, and service.

While we are global, it's our local presence that makes us agile, and able to provide our customers with world class products, and industry leading support. From our state-of-the-art facility in Ann Arbor Michigan, we are able to provide local product assembly and customization, training, repair, and technical support that makes your decision to use Pro-face a wise one.

Pro-face helps manufacturers, big and small, solve their toughest factory problems and make their companies efficient, automated and profitable. As an ISO9001 certified company, Pro-face was the first company to produce a touch screen flat panel operator interface, and our hardware and software connects to more third party devices than any others in the industry. But what really sets us apart is our commitment to be a true partner with our customers.

Pro-face America
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Ann Arbor, MI 48108
734-477-0600 | 800-289-9266
Fax: 734-864-7347
customercare@profaceamerica.com

Software Updates & Drivers ⊕

Local Assembly

We listen to you, our customer, and custom build iPC's to your specifications right here in our state-of-the-art facility in Ann Arbor, Michigan. All iPC's are assembled by hand and tested by our experienced technicians, who see the products through from beginning to end.

Training

Pro-face offers hands-on training both at our corporate office and at your facility to ensure that you are comfortable utilizing the capabilities of your HMI and iPC. In addition, a large library of web based training is at your fingertips.

Repair

Should your HMI or iPC need repair or refurbishment, Pro-face America has the fastest turn around repair service in the industry with an average of just three days.

Tech Support

Pro-face offers industry leading tech support at no cost. Real time, live help to answer your questions and get your applications running and your problems solved.

Our FREE technical support website has been upgraded with services aimed at reducing development man-hours by offering FAQ, Driver Downloads, Manual downloads, Application Notes, and much more.

People

At Pro-face, it's not only our products that are industry leading, but also our people. Whether its tech support, application engineering, customer care, or the ability to custom assemble and ship products rapidly, Pro-face provides customer service that continuously delivers.

Pro-face
eCatalog

The Pro-face eCatalog is the absolute best way to find everything you need to know about any Pro-face offering—complete with technical specifications, 360º visuals, CAD drawings, manuals, data sheets, and much more

Your Choice of Platform

HMI +

The **GP4000** Series offers touch screen displays with extensive simultaneous multi-protocol connectivity. The HMI to use for data sharing and data acquisition applications.

HMI + Control +

The **LT4000M** provides both HMI and digital / analog control in a single unit. A unique modular style allows the display and rear module to be mounted directly or separately.

Flat Panel Monitors +

Pro-face **FP5000** Series Flat Panel Monitors offer display sizes of 12.1" or 15" TFT color, with enhanced resolution that will meet the needs of your applications.

Temperature Controllers

Scanners

Drives

Motion Controllers

PLCs

Switches

Sensors

Vision Systems
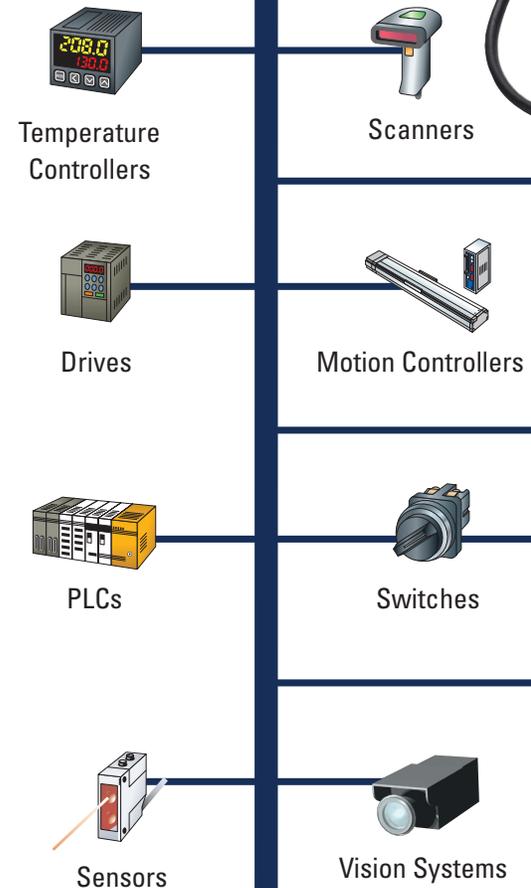
Flexible and Easy Installation with Compact Configurations

+ Enhanced HMI

22mm Hole Mounting

LT4000M Series +

The **SP5000** Series delivers cutting-edge features with an innovative and flexible modular design. For Industry 4.0 smart automation architectures. Ideal for big data. Multiple display + box combinations.

+ USB Solutions

Pro-face **EZ Series** HMI accessories are easy to connect and powered by the USB port, easy to install with 22mm hole mounting, and easy to set up with GP-Pro EX.

EZ Illuminated Switch +

EZ Towerlight +

+ IPC

EZ LAN Adapter +

EZ Fingerprint Recognition Unit +

EZ Numpad +

The **PS5000** Series offers high connectivity, reliability, and design. Our built-to-order lineup includes Node Box PCs with Intel Core i7, and Celeron CPUs which can be used in a modular and flexible Panel PC configuration with 12″, 15″, 19″ or 22″ display screens, allowing the flexibility to change the functions and sizes.

HMI Overview

GP4000 Series +

The GP4000 HMI Series offers extensive connectivity, easy-to-read displays, and multiple screen size options. Our wide variety of HMIs include Standard, Basic, Compact, Modular, Handheld, and HMIs with Control. All are equipped with Best in Class Connectivity, Powerful HMI Functionality, and Full Compatibility with legacy Pro-face GP-Pro EX and GP3000 products. GP4000 HMI drivers allow you to "talk to" your preferred PLC, vision system, motion controller, temperature controller, inverter, bar code reader, and actuator.

W Model

10.4 inch DC 24V W Model	**7.0** inch DC 24V W Model	**5.7** inch DC 24V W Model	**3.5** inch DC 24V W Model
GP-4501TW	GP-4401WW	GP-4301TW	GP-4201TW

Display (Resolution)	65,536 color TFT (640 x 600 pixels)	65,536 color TFT (800 x 480 pixels)	65,536 color TFT (320 x 240 pixels)	
Brightness Control	8 Level Brightness			
Touch Panel Type	Resistive Film (Analog)			
Memory	FEPROM 16MB (Application Memory), 128KB (Backup for HMI)		FEPROM 8MB (Application Memory), 128KB (Backup for HMI)	
Ethernet	x1 (IEEE802.3i / IEEE802.3u, 10BASE-T/100BASE-TX)			No
SIO	COM x 2			
SD Card Slot	x1		No	
USB	Type-A (2.0) x 1, mini-B (2.0) x 1			
Replaceable Battery	Yes		Contact Pro-face	

Standard

Ask about our
Rear Mount options!

12.1 inch
Standard Model
AC 100-240V
DC 24V
GP-4601T / GP-4603T
Isolated MPI Communication Port

10.4 inch
Standard Model
AC 100-240V
DC 24V
GP-4501T / GP-4503T
Isolated MPI Communication Port

Display (Resolution)	65,536 color TFT (800 x 600 pixels)	65,536 color TFT (640 x 480 pixels)
Brightness Control	16 Level Brightness	
Touch Panel Type	Analog or Matrix (Supports 2 point touch)	
Memory	FEPROM 32MB (Application Memory), 320KB (Backup for HMI), 64KB (Backup for Control)	
Ethernet	x1 (IEEE802.3i / IEEE802.3u, 10BASE-T/100BASE-TX)	
SIO	COM x 2	
SD Card Slot	x1	
USB	Type-A (2.0) x 1, mini-B (2.0) x 1	
Replaceable Battery	Yes	

7.5 inch
Standard Model
DC 24V
GP-4401T

5.7 inch
Standard Model
DC 24V
GP4301T / GP-4303T
Isolated MPI Communication Port

3.5 inch
Standard Model
DC 24V
GP-4201T / GP-4203T
Isolated MPI Communication Port

Display (Resolution)	65,536 color TFT (640 x 480 pixels)	65,536 color TFT (320 x 240 pixels)	
Brightness Control	16 Level Brightness		
Touch Panel Type	Resistive Film (Analog)		
Memory	FEPROM 32MB (Application Memory)	FEPROM 16MB (Application Memory), 320KB (Backup for HMI), 64KB (Backup for Control)	
Ethernet	x1 (IEEE802.3i / IEEE802.3u, 10BASE-T/100BASE-TX)		
SIO	COM x 2		COM x 1
SD Card Slot	x1		No
USB	Type-A (2.0) x 1, mini-B (2.0) x 1		
Replaceable Battery	Yes		Contact Pro-face

HMI Overview

Modular

| | 5.7 inch Modular Type | DC 24V |
| 3.5 inch Modular Type | DC 24V |

GP-4301TM **GP-4201TM**

Display (Resolution)	65,536 color TFT (320 x 240 pixels)
Brightness Control	16 Level Brightness
Touch Panel Type	Resistive Film (Analog)
Memory	FEPROM 8MB (Application Memory), Equivalent to 128kb [1] (Backup for HMI)
Ethernet	x1 (IEEE802.3i / IEEE802.3u, 10BASE-T/100BASE-TX)
SIO	COM x 1
SD Card Slot	No
USB	Type-A (2.0) x 1, mini-B (2.0) x 1
Replaceable Battery	Contact Pro-face

*1 Application Memory can provide 128KB for Data Backup. For supported features, please refer to GP-Pro EX Reference Manual.

Compact

Touchscreen Operator Interface

| 3.4 inch Compact Type | DC 24V |
| 4.3 inch Compact Type |
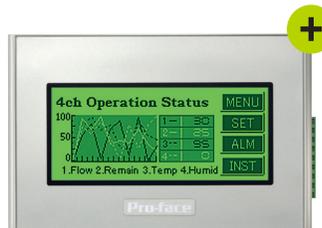
GP-4100 **GP-4100T**

Display (Resolution)	Monochrome LCD (200 x 80 pixels)	TFT Color LCD (480 x 272 pixels)
Brightness Control	16 Level Brightness	16 Level Brightness
Touch Panel Type	Resistive Film (Analog)	Resistive Film (Analog)
Memory	FEPROM 2.2MB	8MB
Ethernet	x1 (IEEE802.3u / IEEE802.3u, 10BASE-T/100BASE-TX) [1]	RJ-45 Modular Jack x 1 [3]
SIO	COM x 1 [2]	RS-232C x 1 or RS-422/485 x 1
SD Card Slot	No	No
USB	Type-A (2.0) x 1, mini-B (2.0) x 1	Type-A (2.0) x 1, mini-B (2.0) x 1

*1 GP4104 only. *2 GP4104 has ethernet only. *3 GP4114T2D only.

Control ▶

Touchscreen Operator Interface plus Control

5.7 inch	5.7 inch	3.5 inch
Control Type	Control +Modular Type	Control +Modular Type
DC 24V	DC 24V	DC 24V
LT3300	**LT4301TM**	**LT4201TM**

Display Resolution	320 x 240 pixels (QVGA)	
Display Type	TFT Color LCD	
Display Colors	65,536 Colors	
Input Voltage	24 VDC	
USB	Type A (1.1) x 1	Type-A (2.0) x 1, mini-B (2.0) x 1
Embedded Analog I/O	n/a	4 in / 2 out
Embedded Digital I/O	16 in / 16 out	12 in / 8 out or 20 in / 12 out
I/O Expansion	Mix & Match any 3 EX Modules	CAN Interface

Graphical Pendant Station

Handheld Touchscreen Operator Interface with 11 Function Keys and Dual Protocol Support

5.7 inch	DC 24V
Handheld	

GP4000H

Display Type	TFT Color LCD
Display Colors	65,536 Colors (no blink) / 16,384 Colors (blink)
Function Keys	11 keys
USB	Type-A (1.1) x 1
Ethernet	IEEE802.3i/IEEE802.3u, 10BASE-T/100BASE-TX Connector: Modular Jack (RJ-45) x 1
SD Card Slot	x 1
Serial Ports	RS-232C / RS-422 / RS-485

HMI Overview

GP4000 VM

Analog Touchscreen Operator Interface with Video Unit Attachment Option

10.4 inch
with Video Attachment
DC 24V

GP-4500VM

12.1 inch
with Video Attachment
DC 24V

GP-4600VM

Display (Resolution)	640 x 480 pixels (VCA)	800 x 600 pixels (SVGA)
Display Type and Size	TFT Color LCD (10.4")	TFT Color LCD (12.1")
Touch Panel Type	Resistive Film (Analog)	Resistive Film (Analog)
Memory	32mb Flash EPROM	32mb Flash EPROM
Ethernet	Modular Jack (RJ-45) x 1	Modular Jack (RJ-45) x 1
SIO	RS-232C x 1, RS-422/485 x 1	RS-232C x 1, RS-422/485 x 1
SD Card Slot	SD Card Slot x 1	SD Card Slot x 1
USB	Type-A (2.0) x 1, mini-B (2.0) x 1	Type-A (2.0) x 1, mini-B (2.0) x 1

GP4G01 Pro-face IoT Gateway

Relays data communication between the HMI and the PLC. No ports and no program changes are required, and it retains communication of the connected devices even when powered off.

PLC

HMI

Pro-face IoT Gateway
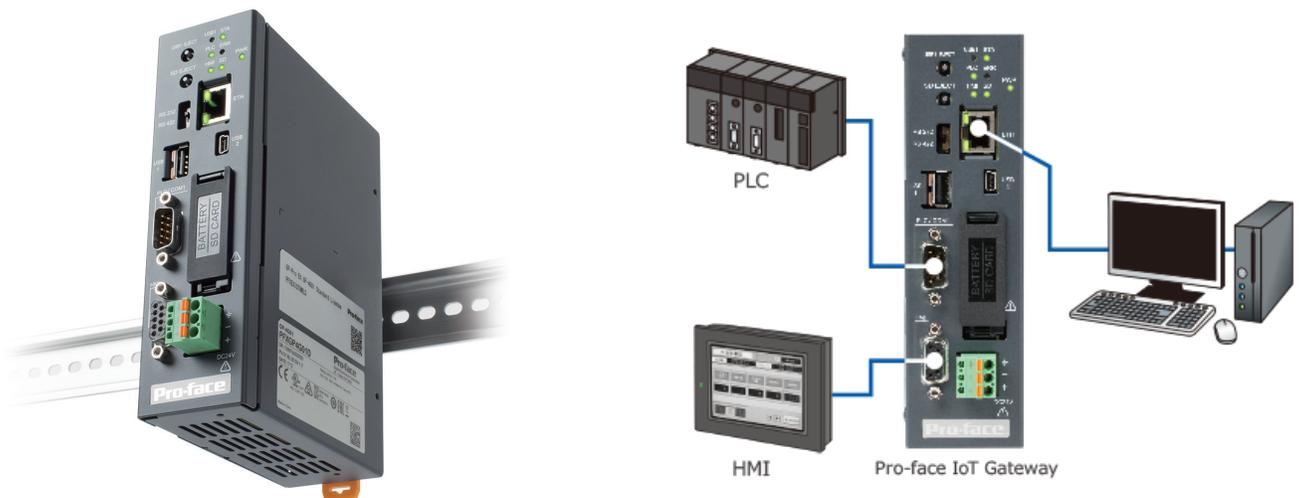
HMI Connectable Devices ▶

> **Easy to Setup**
No need for special programing, easy setup by GP-Pro EX

> **Easy to Connect**
USB Connection

> **Easy to Install**
22mm Hole Mounting

EZ Numpad

Switch between input & function keys
Extend screen lifetime
Gives tactile feedback to operator

EZ Tower Light

Control 4 colors and 2 flash rates per unit
Base and Tube Mounting options available
4 buzzer sounds

EZ Fingerprint Recognition Unit

HMI access by fingerprint, not password
100 users (2 records for one user)
15 levels of security

EZ LAN Adapter

Divide IT network from control network
Configure with only the HMI
Easily retrofit an existing machine with ethernet

EZ Illuminated Switch

5 switches with multi-colored LEDs
Tactile Switches, changeable among 6 colors
3 speed blinking

HMI Overview

SP5000 Series ▶

The Pro-face SP5000 Enhanced HMI Series offers separate display and box modules for a mix and match capability giving you flexibility, easy screen replacement without re-programming, and multiple programming options with the power and open node boxes. The SP5000 series allows a huge variety of data to be downloaded to HMI and transmitted in an optimal format to those who need it, improving production efficiency by better leveraging the big data generated at production work sites and offices. Perfect for Industry 4.0 smart automation architectures.

Premium Display
16 Million Colors / Analog Touch Panel (multi-touch)

SP-5800W - 19" wide
SP-5700W - 15" wide
SP-5700TP - 15"
SP-5600TP - 12"
SP-5660TP - 12" wireless
SP-5500 TP - 10"

Advanced Display
262,144 Colors / Analog Touch Panel

SP-5600WA - 12" wide
SP-5500WA - 10" wide
SP-5400WA - 7" wide

Multiple Display
+ Box Options

Multi-Converter

SP5000 multi-equipment data-collecting device

> **Merge data from different devices**
> Unify protocols and collect data efficiently

> **Tablet-based on-demand HMI**
> See status of equipment or devices in the right place at the right time

> **HMI for ANDON (large-sized monitor)**
> Optimize work by sharing production status

> **Easily collect PLC data by network or USB memory**

Open Box
Windows Embedded 7 + Runtime Engine

SP-5B41

Power Box
Real Time OS (dedicated HMI)

SP-5B10

	Open Box (SP-5B41)	Power Box (SP-5B10)
CPU	Intel Atom Processor E3825 1.3GHZ Dual core/Dual thread	n/a
Application Memory	64 MB - Free space about 17 GB	n/a
Backup Memory	NVRAM 320 KB	
SD Card	SD Card Slot (Storage) x 1	x2
Serial Port	RS232 / 422 / 484 x 2	RS232 / 422 / 484 x 2
USB	Type A (V2.0) x3, Mini B (V2.0) x 1	x2
Ethernet	(RJ-45) x 2	x2
Video Output	DVI-D OUT Connector: DVI-D 24 pin (socket) x 1	x2

PS5000 Series +

The PS5000 Series is the newest line up in the Pro-face Industrial PC family, offering high connectivity, reliability, and design. With multiple display sizes from 10" to 22", customers can choose from a slim, modular, and box design, with low reactivity glass that creates less glare and higher contrast. Available with different processors, including Core i3, ATOM, Celeron, and Core i7, there is an option to fit almost any application.

Slim Panel PC

	10 inch Slim Panel PC PS5501W	**15** inch Slim Panel PC PS5701W / PS5711W	**19** inch Slim Panel PC PS5811W / PS5821W
CPU	Atom E3827, 1.75 GHz	Atom E3827, 1.75 GHz Core i3-4010U 1.7 GHz	Core i3-4010U 1.7 GHz
Display Type	10.1" Color LCD	15.6" (wide 16:9) Color LCD	18.5" (wide 16:9) Color LCD
Display Resolution	WXGA TFT (1,280 x 800 pixels)	FWXGA TFT (1,366 x 768 pixels)	FWXGA TFT (1,366 x 768 pixels)
Touch Screen	Multi-touch (5 point simultaneous touch)		
Ethernet	x2		
Serial Port	x2 [*1]		
USB	x2 [*2]		
Input Voltage	24vDC / 100 to 240 VAC		
Power Consumption	12W (Max 24W)	18W (Max 60W)	28W (Max 60W) [*3]

[*1] PS5821 Enclosed model = 1.   [*2] PS5821 Enclosed model = 1.   [*3] PS5821 Enclosed model = 35W (Max 60W).

Modular Display + Box PC

Multiple Display + Box Combinations

PS5800B

Class 1 Div 2

CPU	Celeron 2980U 1.6 GHz
	Core i7-4650U 1.7 GHz
Main Memory	4 GB or 8 GB, DDR3L 1600 MHz
	8 GB or 16 GB, DDR3L 1600 MHz
Serial ATA	HDD or SSD x 2, CFast x 1, mSATA x 1
Ethernet	x2
Serial Port	x1
USB	x4
Input Voltage	24vDC / 100 to 240 VAC
Power Consumption	18W (Max 40W)

15 inch
Slim Panel Display

PS5700T

15 inch Wide
Slim Panel Display

PS5700W

19 inch Wide
Slim Panel Display

PS5800W

22 inch Wide
Slim Panel Display

PS5900W

Class 1 Div 2

Class 1 Div 2

Display Type	15" Color LCD	15" (wide 16:9) Color LCD	18.5" (wide 16:9) Color LCD	21.5" (wide 16:9) Color LCD
Display Resolution	1,024 x 768 pixels TFT	1,366 x 768 pixels TFT	1,366 x 768 pixels TFT	1,980 x 1,080 pixels TFT
Touch Screen	Resistive Single Touch	Multi-touch (5 point simultaneous touch)		
Ethernet	x2			
Serial Port	x1			
USB	x5	x4	x4	x4
Storage Temp	-30 to 70° C (-22 to 158° F)			
Input Voltage	24vDC or 100 to 240 VAC			

iPC Overview

Panel PC

12 inch | AC 100-240V | DC 24V

PS4600

Class 1 Div 2

Extend Product Part Life with large heat sink & intelligent fan

Easily Replaceable "Slide-In Slot" HDD/SSD Drive

Reliable Operation with a Disk-less System

Slot	PCI x 1/PCIe x 1, PCI x 2/PCIe x 3, PCI x 1/PCIe x 4, PCI x 1
Ram	2GB to 8GB
Display Type	TFT Color LCD
Touch Screen	Resistive Film (Analog)
Ethernet	Yes
Display Area	W 245.76mm x H 184.32mm [9.68 x 7.26 in]
Serial Port	x 2
USB	x 5
Input Voltage	24Vdc / 100 to 240 Vac
Display Resolution	1024 x 768 pixels (XGA)
Stainless Bezel	Yes
Processor	Celeron M 827e (1.4 GHz) / Core i3 3217ue (1.6 GHz)

PE4000B Node Box

N270
Intel Atom N270 (1.6 GHz)

PE4000B

N2600
Intel Atom Dual Core N2600 (1.6 GHz)

PE4000B

CPU	Intel Atom N270 1.6 GHz	Intel Atom Dual Core N2600 1.6 GHz
Rated Input Voltage	9 to 36 Vdc ±5%	12 to 24 Vdc ±5%
Power Consumption	15W (typically)	16W (typically)
External Dimensions	254.8 x 58.7 x 149.2mm (10.03 x 2.31 x 5.88in)	264.5 x 69.19 x 133mm (10.41 x 2.72 x 5.24in)
Storage Temperature	-40 to 85° C (-40 to 185° F)	-40 to 85° C (-40 to 185° F)
Ambient Operating Temp	w/ air flow: 0 to 70° C (32 to 158° F) w/out air flow: 0 to 60° C (32 to 140° F)	w/ air flow: 0 to 60° C (32 to 140° F) w/out air flow: 0 to 50° C (32 to 122° F)
Environmental Ratings	IP40	IP40

Rugged Panel PC

Completely Sealed
IP65 Stainless Steel

15 inch
Intel Atom Processor N2600 (1.6 GHz)

PS6700

Class 1
Div 2

Display Resolution	1,024 x 768 pixels (XGA)
Display Type and Size	15" diagonal, Active matrix TFT LCD (4:3)
Processor	Intel® Dual Core Atom Processor N2600 1.6 GHz
Operating System	Windows® Embedded Standard 7 E
System Memory	4GB DDR3 1333 MHz, up to 4GB
Storage	32GB mSATA Solid State Drive
Serial Port	1x RS-232C (IP65 connector and cable)
Ethernet	1x RJ 45-10/100/1000 Mbps (IP65 connector and cable)
USB	2x USB2.0 (IP65 connector and cable)

Flat Panel Monitors

12.1 inch
Flat Panel Monitor

FP5600

Class 1
Div 2

15 inch
Flat Panel Monitor

FP5700

Class 1
Div 2

Display Resolution	1024 x 768	1024 x 768
Display Colors	16 million colors	16 million colors
Display Type	12.1" TFT Color LCD	15" TFT Color LCD
Display Area	W245.76 x H184.32 mm (W9.68 x H7.26 in.)	W304.1 x H228.1 mm (W11.97 x H8.98 in.)
Touch Screen	Multi touch (analog resistive)	Multi touch (analog resistive)
USB	Front: USB 2.0 (Type A) x 1 / Back: USB 2.0 (Type B) x 1	Front: USB 2.0 (Type A) x 1 / Back: USB 2.0 (Type B) x 1
Video	DVI-D input, DVI-D 24 pin (socket) x 1, 5 m	DVI-D input, DVI-D 24 pin (socket) x 1, 5 m

Software Overview

HMI Screen Editor & Logic Programming Software

GP-Pro EX +

Create Your HMI Application in Minutes ▶

GP-Pro EX is the easy-to-use development software for Pro-face HMI and IPC units. With a wide array of application development tools, expanded diagnostic features and simulation capabilities, GP-Pro EX is capable of handling the most demanding HMI applications.

Set up communications
- Choose and set up PLC and third-party devices effortlessly
- System settings are logically arranged and easy to find

Design application/screens
- Drag-and-drop addressing, parts and colors
- Efficient features to reduce development time
- Create consistent look and feel using the user-defined templates

Simulate and test
- Verify before you travel
- Debug your application without hardware
- Test without downloading

Download/transfer
- Tamper-proof HMI application – password-protected project source

One development software for both dedicated and open windows-based operator interfaces.
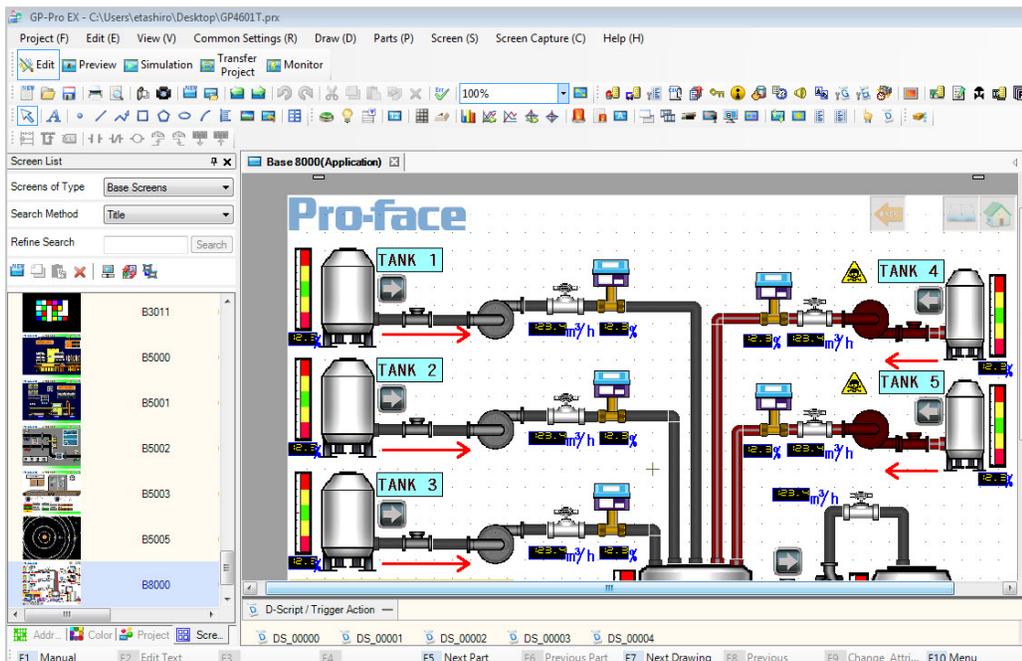
View over 20 GP-Pro EX technical videos on YouTube.

GP-Pro EX Playlist

Download the Pro-face Software Guide on iTunes or Google Play.

Pro-face Software Guide +

Software Overview

Data management software

Pro-Server **EX** +

Enterprise-wide data collecting, sharing, connectivity solution ▶

- Applications
- Collect and Manage Data
- Connectivity Support
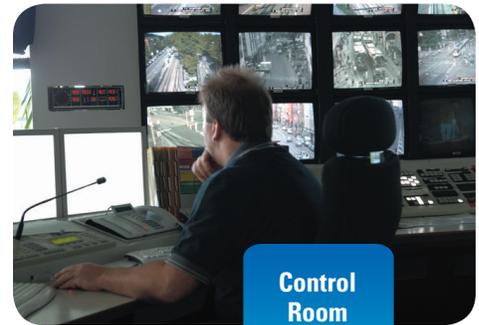
Control Room

Pro-face open- platform HMI

Plant Floor

Application software for sharing user-defined factory-floor data throughout the corporate enterprise

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+ GP-Viewer
Monitor and Control Multiple Operator Interfaces from a Single Remote PC.

+ Camera Viewer
Record, Display and Playback Live Video of Industrial Operations on a Remote PC.

+ Pass Through
Programming and monitoring PLC via operator interface.

+ Remote PC Access
Harness the power of a PC from your dedicated HMI.

+ Memory Loader
Field maintenance and backup with data protection.

+ Transfer Tool
Easy machine maintenance and data log retrieval.

+ WinGP
Runtime software for GP-Pro EX created applications.

+ FTP Server
Upload and download data files to the operator interface over the internet.

+ WebServer
View HMI information and alerts through a web browser.

Software Overview

Pro-face Remote HMI +

Pro-face Remote HMI allows you to check machines and equipment for alarms, operating status, and other information using a tablet or smartphone from anywhere on the factory floor.

Quick steps to use Pro-face Remote HMI

STEP1

Hardware Preparation

Prepare Wireless Router and connect to HMI.

Wireless Router
(Commercial Product)

LAN cable
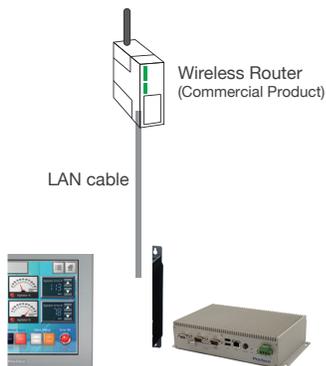
STEP2

Transfer Project File

Adjust application in GP-Pro EX and transfer it to HMI.

Transfer Tool

USB Memory

Ethernet (LAN)
or USB cable

SD Card
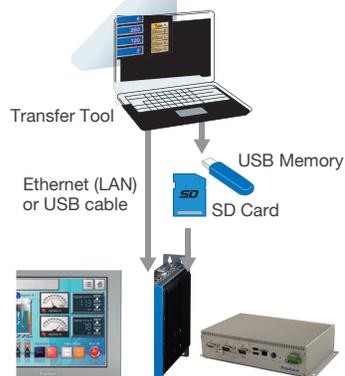
STEP3

Install Remote HMI on a tablet or smartphone

Download and install Pro-face Remote HMI on a tablet or smartphone. Search HMI and connect to monitor the HMI screen.

*Remote HMI Server license is required separately to monitor IPC and PC. +

Software Overview

Pro-face Connect
Secure Remote Access over Internet +

Pro-face Connect is a ready to use embedded HMI service to access machines remotely and securely.

Central Admin

Manager

Pro-face Connect
GateManager

Cloud Server

Technician

Pro-face Connect
LinkManager

Connect with any programing software

Pro-face HMI / IPC unit

Pro-face Connect
SiteManager

Pro-face Connect
LinkManager Mobile

PLC   Robot
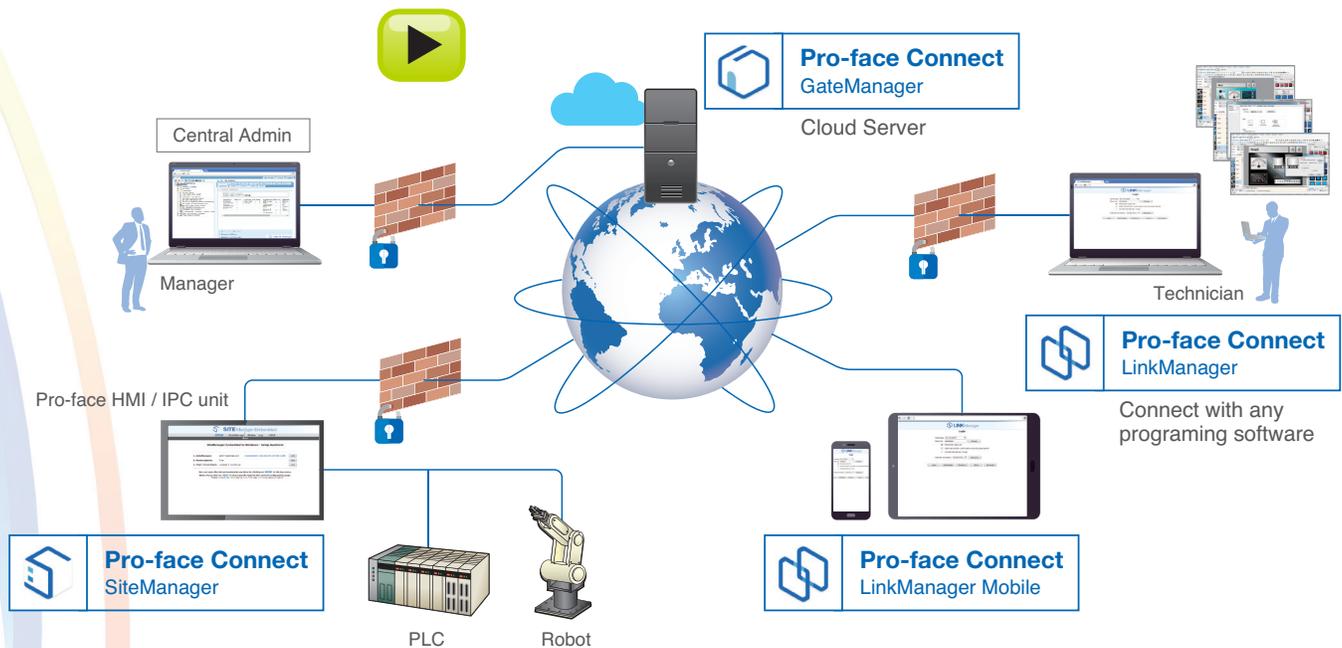
Download a FREE TRIAL of Pro-face Connect today!

DOWNLOAD

Efficient and easy to use
- Remote access for programming, diagnostics, control, and monitoring
- Speeds up operations and reduces machine downtime

Works everywhere, for everyone
- Operable for all application and segments
- Available from a desktop PC, laptop, or tablet

Technician
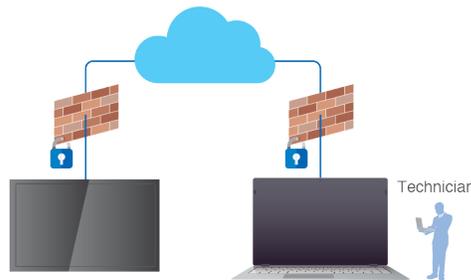
Reliable and Safe
- Cybersecure (end to end) for both original equipment manufacturers and end users
- Secure access to remote devices over the internet

Software Overview

BLUE Line Management Lite SCADA
Open Studio

SCADA/HMI Software for Intuitive Dashboards, OEE, and the Internet of Things.
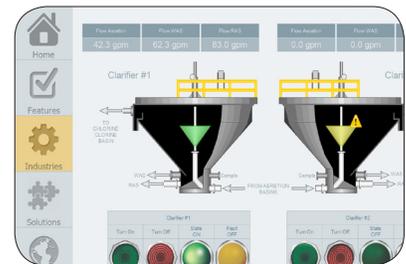
⬡ **PS5000 Bundled**
Available to be bundled with all Pro-face PS5000 Series Industrial PCs

⬡ **Support for Multiple Document Interface on Studio Mobile Access (SMA)**
Access your graphical interface from any device, with groups of screens, popups, and dialogs

⬡ **OPC Redundancy**
Native redundancy for OPC UA and OPC XML/DA interfaces

⬡ **Built-in Tag Integration with PLCs**
Comprehensive tag integration with PLCs from Schneider and other manufacturers

⬡ **Library of Symbols**
Expanded and improved set of symbols for HMI/SCADA applications
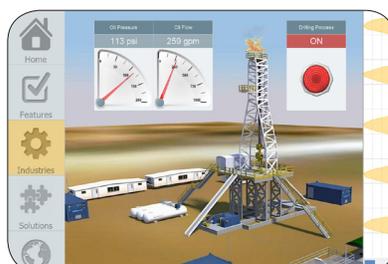
Software Overview

COMING SOON

A revolutionary new HMI software will offer an alternative experience in HMI design.

BLUE

Please check **profaceamerica.com** for future announcements.

Third-Party Driver Support

PLC

Beckhoff Automation
CoDeSys Automation Alliance
Control Technology Corporation
Crouzet Millenium
CC-Link Partner Association
Delta-TAU data system, inc.
Digital Electronics Corporation
Emerson Process Management
FATEK AUTOMATION Corporation
Fuji Electric Co.
FANUC LTD.
GE Intelligent
GE Fanuc Automation
Hitachi IES Co.
Hitachi, Ltd.
JTEKT Corporation
KEYENCE Corporation
KOYO ELECTRONICS CO.
LS Industrial Systems
MEIDENSHA Corporation
Mitsubishi Electric Corporation
Mitsubishi Heavy Industries
MODBUS IDA

ODVA
OMRON Corporation
Panasonic Electric Works
Rockwell Automation, Inc.
Saia-Burgess Controls Ltd.
Schneider Electric Industries
Sharp Manufacturing Systems Corp.
SICK AG
Siemens AG
Siemens Building Technologies
TOSHIBA Corporation
TOSHIBA MACHINE Co.
YASKAWA Electric Corporation

Temperature Controllers

Azbil Corporation (Former Yamatake)
Fuji Electric Systems Co.
Azbil Corporation Controller
CHINO Corporation
Shinko Technos Co.
YOKOGAWA Electric Corp.
RKC INSTRUMENT INC.
OMRON Corporation
RKC INSTRUMENT INC.

Inverters

Fuji Electric Systems Co.
Hitachi IES Co., Ltd.
Hitachi IES Co., Ltd.
YASKAWA Electric Corporation
Mitsubishi Electric Corporation

Servos

Sanmei Electronics Co.0
YASKAWA Electric Corporation

Industrial Robots

DENSO WAVE INCORPORATED
Hyundai Heavy Industries
IAI Corporation
Seiko Epson Corporation
YASKAWA Electric Corporation
Yamaha Motor Co.

Vision Sensors

Banner Engineering Presence

We support Barcode scanners, 2-D Readers, and Printers from companies such as Aimex Corp., OPT Electronics, Denso Co., HHP, Cognex, Symbol, Epson, NEC, and more!

* Driver support dependent on software package selected.

Software Updates & Drivers

Ethernet

PLC

Single-board Computer

Motion Controller

PC

Serial

PLC

Single-board Computer

Motion Controller

Servo

Actuator

Inverter

temperature

Industrial Robot

USB

Serial Device

Conversion Adapter

Inverter

temperature

Single-board Computer

PLC

USB device

USB memory

USB Bar-code / 2D Code Reader

EZ Series

Illuminated Switch

Fingerprint Recognition Unit

Tower Light

Numpad

I/O (Digital/Analog)

Inverter

Sensor

Switch

Rotating Light

The World Leader in Third-Party Driver Support

Operating Environment

GP-Pro EX

OS	Windows XP 32bit OS (Service Pack 2 or later, any edition), Windows Vista 32bit OS (any Service Pack, any edition), Windows 7 32bit OS (any Service Pack, any edition), Windows 7 64bit OS (Service Pack 1 or later, any edition), Windows 8.0 32bit/64bit OS (any Service Pack, Core/Pro/Enterprise Edition), Windows 8.1 32bit/64bit OS (any Service Pack, Core/Pro/Enterprise Edition), Windows 10 32bit/64bit OS (any Edition)
CPU	Pentium4 1.3Ghz or greater
Resolution	SVGA (800 x 600) or better (256 colors or greater required)
Memory	Windows Vista/7/8: 1 GB or greater (2 GB or greater recommended) Other than Windows Vista/7/8: 512 MB or greater (1 GB or greater recommended)
Hard Disk Space	1 GB or greater - Free space necessary for installation
Language — Software Menu	English/ Japanese/ Korean/ Chinese (simplified/traditional)/ German/ French/ Italian/ Spanish
Language — Languages that Hardware can Display	English, Japanese, Korean, Chinese (simplified/traditional), Thai, Cyrillic. For languages other than English/Japanese, FEPs and fonts for these languages should be added.
Other	.Net Framework 2.0 (any Service Pack) - On a PC without .NET Framework Ver. 2.0, this is automatically installed.
	Microsoft Internet Explorer Ver. 6.0 or later
	Mouse (absolutely necessary), DVD-ROM drive (necessary only for software installation)
	An environment whrere you are connected to the internet - Necessary only for online user registration and online update service

* Please address inquiries about the site license to a sales representative.
* A USB port or Ethernet port is required to transfer screens on a PC.

Pro-Server EX

OS	Windows 2000 32bit OS (Service Pack 3 or later, any edition), Windows XP 32bit OS (Service Pack 3 or later, any edition), Windows Vista 32bit OS (any Service Pack, any edition), Windows Server 2003 32bit OS (Standard Editon/Enterprise Edition), Windows Server 2003 R2 32bit OS (Standard Editon/Enterprise Edition), Windows 7 32bit/64bit OS (any Service Pack, any edition), Windows Server 2008 32bit/64bit OS (Standard Editon/Enterprise Edition/DataCenter Edition), Windows Server 2003 R2 32bit/64bit OS (Standard Editon/Enterprise Edition/DataCenter Edition)
CPU	Pentium III 500MHz or greater
Resolution	Pentium III 500MHz or greater
Memory	Pro-Server EX Developer: 256MB or greater Pro-Server EX Runtime: 128MB or greater (256MB or greater recommended)
Hard Disk Space	Pro-Server EX Developer: 1.1GB or greater (2.2GB or greater recommended) Pro-Server EX Runtime: 650MB or greater (1.3GB or greater recommended) * Free space necessary for installation
Language	English/ Japanese
Other Software	Microsoft Excel 2000 - 2010 (for the action function)
	Microsoft Access 2000 - 2010 (for the action function)
	Microsoft Internet Explorer Ver. 5.0 or later (for the action function)
	.NET Framework Ver. 2.0 * On a PC without .NET Framework Ver. 2.0 This is automatically installed.
Network Connection	10BASE-2, 10BASE-5, 10BASE-T, 100BASE-TX, 1000BASE-T

Remote HMI

OS	iOS: Ver. 6.0 or later. Android: Ver. 2.3x or later
Language	English/ Japanese
Other	GP-Pro EX Ver. 3.1 or later
	Tablet or smart phone and Wi-Fi required

Movie Converter (EX-MOVCON-LICENSE)

OS	Windows 2000 Professonal (Service Pack 4 or later) Windows XP Home, Professonal (any Service Pack)
CPU	Pentium III 1 Ghz or greater
Memory	256 MB or greater (512 MB or greater recommended)
Hard Disk Space	For installation: 60MB or greater. After installation: 25MB or greater

GP-Viewer EX

OS	Windows 2000 (Service Pack 3 or later, any edition), Windows Server 2003 32bit OS (Service Pack 2 or later), Windows XP 32bit OS (Service Pack 2 or later, any edition), Windows Vista 32bit OS (any Service Pack, any edition), Windows 7 32bit/64bit OS (any Service Pack, any edition), Windows 8 32bit/64bit OS (any Service Pack, Core/Pro/Enterprise Edition)

BLUE Open Studio

OS*	Windows 7 Service Pack 1, Windows 8.1, Windows 10, Windows Server 2008 R2 Service Pack 1, Windows Server 2012 R2, Windows Server 2016, Windows Embedded 7 Standard
CPU	No requirements
Resolution	SVGA (800 x 600) minimum
Memory	1 GB free memory (RAM)
Hard Disk Space	2 GB free storage (hard drive or non-volatile)
Other	• Standard keyboard & pointer input (i.e., a mouse, trackpad, or touchscreen) • .NET Framework 3.5 • Microsoft Internet Explorer 6.0 or later • Ethernet or Wi-Fi network adapter • Administrator privileges on the computer
Optional	DVD-ROM drive, to install the software from an installation disc
	Serial COM ports & adapters, to be used for direct communication with PLCs and other devices
	Internet Information Services (IIS) installed and turned on, to make your projects accessible to thin clients and mobile devices
	Microsoft Visual Studio 2010 or Team Explorer 2010 installed, to enable workgroup collaboration and source control

* 32-bit/64-bit compatible; We recommend Home Premium, Professional, Enterprise, and Ultimate editions of Windows, because they include Internet Information Services (IIS) as a pre-installed feature that can be turned on. We do not recommend the Starter and Home Basic editions because they do not include IIS, but you can still use them if you do not plan to use web-based features.

WinGP GP-Pro EX Runtime for Pro-face Industrial PCs

OS	For Pro-face IPC: Windows XP (Service Pack 2 or later), Windows XP Embedded, Windows 7, Windows Embedded Standard7, Windows Embedded Standard 2009
	For PC/AT Compatible Machine: Windows XP (Service Pack 2 or later), Windows Vista 32bit OS (any Service Pack, any edition), Windows 7 32bit/64bit OS (any Service Pack, any edition), Windows 8 32bit/64bit OS (any Service Pack, Core/Pro/Enterprise Edition)
Resolution	QVGA - SXGA (depending on the product)
Memory	For Pro-face IPC: PS4000B: 1 GB or greater (2 GB or greater recommended) Other than PS4000B: 256 MB or greater (512 MB or greater recommended)
	For PC/AT Compatible Machine: Windows Vista/7/8: 1 GB or greater (2 GB or greater recommended) Other than Windows Vista/7/8: 512 MB or greater (1 GB or greater recommended)

Camera-Viewer EX

OS	Windows XP 32bit OS (Service Pack 2 or later, any edition), Windows Vista 32bit OS (Service Pack 1 or later, any edition), Windows 7 32bit/64bit OS (any Service Pack, any edition), Windows Server 2003 32bit OS (Service Pack 1 or later, Standard Editor/Enterprise Edition), Windows Server 2003 R2 32bit OS (Service Pack 1 or later, Standard Editor/Enterprise Edition)

Remote PC Access (RPA)

OS	UltraVNC: Support OS (http://www.uvnc.com) TightVNC: Ubuntu 7.04 Feisty Fawn DesktopCD
Other	GP-Pro EX Ver. 2.0 or later
	RPA Key Code (Sold separately)
	UltraVNC (Version: 1.0.8.2) or TightVNC (Version: 1.2.9-21) * Should be installed on the PC on the server.
	Ethernet cable and HUB (commercially available)

Transfer Tool

OS	Windows 2000 (Service Pack 3 or later) * Case of individual installation, Windows XP 32bit OS (any Service Pack, any edition), Windows Vista 32bit OS (any Service Pack, any edition), Windows 7 32bit/64bit OS (any Service Pack, any edition), Windows 8.0 32bit/64bit OS (any Service Pack, any edition)
Other	.NET Framework Ver. 2.0 * On a PC without .NET Framework Ver. 2.0 This is automatically installed.
Hard Disk Space	340 MB or greater * Free space for a project file size required

Pass-Through

OS	Windows 2000 (Service Pack 4 or later), Windows XP 32bit OS (Service Pack 2 or later) Windows Vista 32bit OS (any Service Pack, any edition), Windows 7 32bit/64bit OS (any Service Pack, any edition), Windows 8 32bit/64bit OS (any Service Pack, Core/Pro/Enterprise Edition)
Hard Disk Space	For installation: 3MB. After installation: 1MB

Service & Support

ISO 9001:2000
Quality System Certified

ISO 14000
Quality System Certified

Standards & Regulations

We have offices
around the corner,
and around the world.
We are there for you
with our combination of
channel partners, area
sales managers, and trained
application engineers to support
you before and after the sale.

INTERNATIONAL PRO-FACE

- Pro-face International Offices
- Pro-face America Sales Offices

Global Support

One of the great features of Pro-face is that the same level of customer support is available in countries where the product is exported to. Overseas customers can receive high quality support in both telephone inquiries and repair services.

FREE Tech Support

Pro-face is committed to delivering excellent technical support whether you are local or abroad. Free, real time solutions.
800-289-9266
support@profaceamerica.com

Repair Services

Pro-face has eliminated loss throughout the entire process by providing free quotes for repair and return delivery. We are constantly re-evaluating our systems to ensure satisfaction for all of our customers.

A Global Company...

...with a Local Presence.

Pro-face America, Inc.

Check out our facility!

Our **FREE** Technical Support site is a vast resource of product and application knowledge designed to help you maximize the value of your Pro-face HMI

- FAQs
- Manuals
- Sample Downloads
- Driver Downloads
- HMI Learning Center
- Application Notes
- Certifications
- Much, Much More...

HMIsource.com/otasuke

Pro-face
eCatalog

Training

A variety of technical seminars are offered to help customers in order to get the most out of our Pro-face products. Easy-to-understand textbooks are prepared based on what the customer desires to learn.

Technical Support Website

Our free technical support website has been upgraded with services aimed at reducing development man-hours by offering FAQ, Driver Downloads, Manual downloads, Application Notes, and much more.

eCatalog

This app, available on iTunes and Google Play, contains the entire Pro-face product catalog, complete with technical specifications, 360° visuals, CAD drawings, manuals, data sheets, and much more.

Pro-face

by **Schneider** Electric

We are always striving to connect customers to their clients, processes, and people
through high quality products, and service and support from around the world.

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