Pro-face
for the best interface

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

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

intimacy
Connect intimately with our customers and stakeholders

interaction
Enhance customer experience through positive interaction

innovation
Provide benefits to our customers through innovation

⚠ WARNING

HAZARD OF OPERATOR INJURY, OR UNINTENDED EQUIPMENT DAMAGE
Before operating any of these products, be sure to read all related manuals thoroughly.
Failure to follow these instructions can result in death, serious injury, or 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.
● Electrical equipment should be installed, operated, serviced, and maintained only by qualified personnel. No responsibility is assumed by Digital for any consequences arising out of the use of this material.

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● All information contained in this catalog is subject to change without notice.

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Pro-face
for the best interface

Industrial PC
Flat Panel Monitor

Industrial Panel / Built-in PC
PS4000 Series

Industrial Built-in PC
PE4000B Series

Flat Panel Monitor
FP5000 Series

www.proface.com

Industrial PC

■ PS4000 Series

The PS4000 Series offers extensive connectivity, high performance, energy efficient processor options, and quick and easy storage expansion.

Type	19", 15", 12" or Bulit-in
CPU	Core™ 2 Duo P8400 or Atom™ N270
RAM	2 to 8GB (CoreTM 2 Duo) or 1 to 3GB
Supported OS	Windows XP, Windows 7, WES2009 or WES7
Storage	CF, HDD or SSD

■ PE4000B Series

The highly compact PE4000B is the entry level product to Pro-face Industrial PC quality and performance.

Type	Built-in
CPU	AtomTM N2600, N270
RAM	2GB or 4GB
Supported OS	WES2009, WES7

Industrial Flat Panel Monitor

■ FP5000 Series

Supporting the trend for more efficient operation, an analog resistive multi touch panel and automatic brightness adjustment has been added to the FP5000 Series thus supporting convenient operation in industrial environments.

Type	15" or 12"
Supported OS	Windows XP, Windows 7, Windows 8.1, WES2009 or WES7
Video Input	DVI-D

Software

Pro-face Remote HMI
Remote Monitoring Software for mobile

Pro-Server EX
Data Management Software

WinGP
HMI Runtime Engine for PC

Monitors and controls HMI screens on a smartphone or a tablet. Pro-face Remote HMI Server is the software to operate Windows app. via the Pro-face Remote HMI.

Provides data connectivity and reporting functionality.

Runs screen data created for Pro-face HMI on GP-Pro EX software on a Windows PC.

Application

Enterprise Network

Server

IPC with Win GP

Pro-Server EX
Easily connect the production site to the office through a network with simple settings.

WinGP

The system configuration which used to be built with PC, HMI and PLC can be built only with IPC and PLC.

Distribution

Collection

Built-in IPC

Pro-face Remote HMI Server*
* A separate license must be purchased.

Pro-face Remote HMI
Confirm the cause of an alarm directly with your mobile device and see if the machine can be put back into operation without going on site.

Tablet PC

Mobile Phone

Pro-face Remote HMI*
* An application must be purchased.

Shop Floor Network

For detailed specifications, visit our website.
http://www.pro-face.com/product/soft/index.html

Dependability

■ Disk-less System for Secure Operation

SSD, CFast*1 or CF Card with Embedded OS provides stable operation even in locations subject to vibration or shock.

*1 PS-4600 only

For longer CF Card life, we recommend saving log data to another storage device.

(Image of PS-4700 Embedded model)

■ Increased Parts Life Time

A large-size heat sink and intelligent fan control reduce load on the components.*

* Fan-less models with extended maintenance cycle and low energy consumption.

(Image of PS4800 or PS4700 Model)

■ For Sites Where Uninterrupted PC Operation is Required

All models can be used continuously for 24 hours including those equipped with a hard disk drive.

■ For Stable OS Shutdown Anywhere

UPS (Uninterruptible Power Supply) is available.

(Image of PS4800 or PS4700 Model)

Reassurance

■ Operating System with Long-Term Supply

A licensing agreement with Microsoft allows us to provide a long-term supply of the product.
Windows® XP Professional embedded can be also supplied by 31 Dec. 2016.

■ Fan-less Model with Lower Operating Noise

The PS-4600 units without HDD do support fan-less operation.
All PS4000 Series with Atom™ CPU don't require a fan as well.

Maintainability

■ Easily Replaceable HDD Drive

The cartridge type HDD/SSD allows easy replacement.

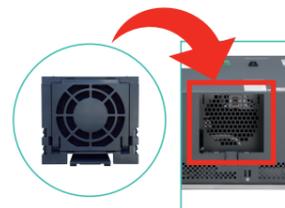Sliding expansion Slot (Slide-in Slot)

HDD/SSD Slot (Slide-in Disk)

(Image of PS4800 or PS4700 Model)

■ Easily Replaceable Fan

A fan kit is provided as a maintenance product to enable easy replacement by the customer.

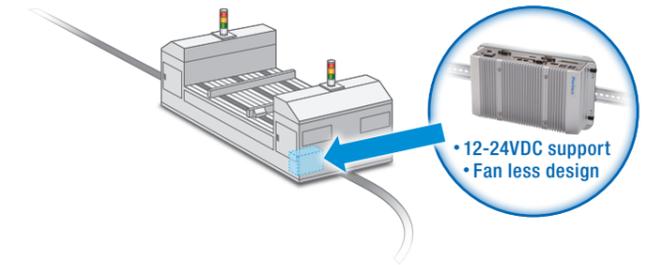## PE4000B Series
Highly compact IPC empowering your applications

■ Various interfaces for transparent production processes

COM×6 (max.), Ethernet×3 (max.), USB×5 (max.), 8 points (selectable I/O). Connect to multiple devices at a time.

• SIO • DIO
• Ethernet

■ Compact size and low power consumption

Highly compact design and mountable via DIN rail or directly. Freedom of product placement and convenient installation.

• 12-24VDC support
• Fan less design

FP5000 Series
Industrial display supporting latest operation concepts

■ Benefit from latest multi-touch operation support

The FP5000 series supports touchscreen gestures, so the operator can perform operations like changing screens and zooming in as if using a smartphone or tablet.

■ Improve operation efficiency by simply upgrading your displays

The FP5000 series shares the same panel cutout dimensions as the FP3000 series, making replacement simple.

FP3000 Series — Drop-in — FP5000 Series

15"	FP-3700T	→ 15"	FP-5700TPD
12"	FP-3600T	→ 12"	FP-5600TPD
10"	FP-3500T		

USB Solution: EZ Series
Expand functions with a single USB Cable

■ Supports the convenient EZ Series option, which allows simple expansion of functionality

The single cable architecture further reduces installation time and eases installation at any location.

Industrial PC and Industrial Flat Panel Monitor
Line up

	PS-4800	PS-4700	PS-4700 (Embedded model)	PS-4600	PS-4000B
	Aluminum Bezel	Aluminum Bezel / Stainless Steel Bezel	Aluminum Bezel / Stainless Steel Bezel	Aluminum Bezel / No bezel (Rear-mount)	
Display	19" SXGA (1,280 × 1,024)	15" XGA (1,024 × 768)	15" XGA (1,024 × 768)	12" XGA (1,024 × 768)	—
Expansion Slot	2 slots*1 / 1 slot*2 / 0 slot	0 slot	0 slot	2 slots*3 ★ / 1 slot*4 ★ / 0 slot ★	5 slots*5 / 2 slots*1 / 1 slot*2
CPU	Core™ 2 Duo P8400 2.26GHz / Atom™ N270 1.6GHz	Atom™ Z510 1.1GHz	Atom™ Z510 1.1GHz	Core™ i3-3217UE 1.60GHz / Celeron™ 827E 1.40GHz	Core™ 2 Duo P8400 2.26GHz / Atom™ N270 1.6GHz
Power Supply	AC 100-240V / DC 24V*6	DC 24V*6	DC 24V*6	AC 100-240V / DC 24V	DC 24V*6
RAM	2 to 8GB*7 (Core™ 2 Duo P8400) / 1 to 3GB (Atom™ N270)	1 to 2GB	1 to 2GB	1 to 16GB*7 ★	2 to 8GB*7 (Core™ 2 Duo P8400) / 1 to 3GB (Atom™ N270)
Windows® OS	Embedded Standard 2009 (32bit), Embedded Standard 7 Premium (32bit), XP Professional (32bit) or 7 Ultimate (32/64bit)	Embedded Standard 2009 (32bit)	Embedded Standard 2009 (32bit)	Embedded Standard 2009 (32bit), Embedded Standard 7 Premium (32bit), XP Professional (32bit) or 7 Ultimate (32/64bit)	
Storage	CF : 4GB or 8GB*8 / HDD : 500GB / SSD : 60GB	CF : 4GB*8	CF : 4GB*8	CFast : 4GB or 8GB*8 / HDD : 500GB / SSD : 60GB or 128GB	CF : 4GB or 8GB*8 / HDD : 500GB / SSD : 60GB

Interface

	PS-4800	PS-4700	PS-4700 (Embedded model)	PS-4600	PS-4000B
COM	2	2	1	2	2
LAN	2	2	1	2	2
CF	1	1	1	—	1
CFast	—	—	—	1	—
Video	DVI-I × 1	DVI-I × 1	—	DVI-I × 1	DVI-I × 1
USB	5	5 (4)*9	3 (2)*9	5 (4)*9	5
Others	—	—	—	—	—

Expansion Option

	PS-4800	PS-4700	PS-4700 (Embedded model)	PS-4600	PS-4000B
Slide-in Slot	DVD Multi drive ★ / HDD ★ / SSD ★	—	—	DVD Multi drive ★ / HDD ★ / SSD ★	DVD Multi drive ★ / HDD ★ / SSD ★
I/F Port	RS-232C/422/485 UPS	Ethernet	Ethernet	RS-232C/422/485 UPS ★	RS-232C/422/485 DVI-D UPS
Surrounding Air Temperature	0 to 50℃ (32 to 122°F)				

	PE-4000B (Atom™ N2600 Model)	PE-4000B (Atom™ N270 Model)
Display	—	—
Expansion Slot	1 slot*10	1 slot*11
CPU	Atom™ Dual Core N2600 1.6GHz	Atom™ N270 1.6GHz
Power Supply	DC 12-24V	DC 9-36V
RAM	2GB or 4GB (DDR3 800 MHz)	2GB (DDR2 533 MHz)
Windows® OS	Embedded Standard 2009 (32bit) / Embedded Standard 7 (32bit)	Embedded Standard 2009 (32bit)
Storage	CFast : 16GB , 8GB / CF : 8GB / SSD : 80GB	CF : 8GB

Interface

	PE-4000B (Atom™ N2600 Model)	PE-4000B (Atom™ N270 Model)
COM	6	2
LAN	3	1
CF	2	1
CFast	1	—
Video	Analog RGB × 1 , HDMI × 1	Analog RGB × 1
USB	5	2
Others	Digital I/O × 8	PS2 × 1

Expansion Option

	PE-4000B (Atom™ N2600 Model)	PE-4000B (Atom™ N270 Model)
Slide-in Slot	—	—
I/F Port	—	—
Surrounding Air Temperature	0 to 60℃ (32 to 140°F) with airflow	0 to 70℃ (32 to 150°F)

	FP-5700TPD	FP-5600TPD
Display	15" XGA (1,024 × 768)	12" XGA (1,024 × 768)
Color Display	16 million Colors	
Backlight	White LED*12	
Power Supply	DC 12-24V	
RAM	—	—
Supported OS	Windows®XP, Windows®7, WES7, Windows®8.1, WES8	
Mounting	Panel mount or 75mm VESA mount	

Interface

	FP-5700TPD	FP-5600TPD
COM	—	
LAN	—	
CF	—	
CFast	—	
Video	DVI-D	
USB	1	
Others	—	

Expansion Option

	FP-5700TPD	FP-5600TPD
Slide-in Slot	—	
I/F Port	—	
Surrounding Air Temperature	0 to 60℃ (32 to 140°F)	

★ : Expandable by adding option.
*1: "PCI x1 and PCIe (x4) x1" or "PCI x2" *2: "PCI x1" *3: "PCI x1 and PCIe(x8) x1" or "PCI x2" *4: "PCI x1" or "PCIe(x8) x1" *5: 5 slots is available when choosing Core™ 2 Duo P8400 only.
*6: Special power supply is available for conformance to marine vessel standards or for the use of UPS. *7: More than 6GB memory is available when choosing 64-bit OS.
*8: CF Card and CFast are Embedded OS only. *9: Stainless Steel Bezel Models and Rear-mount Models have no front USB interface.

*10: Mini PCIe (full size)　*11: Mini PCIe (half size)　*12: Not user replaceable. When replacement is required, contact your local distributor.

The BTO allows you to select your desired PC and customize it in detail.*
★ Please note that some patterns cannot be selected depending on the model or combination. Confirm your selection with the BTO sheet on the Pro-face web site.