

Pro-face
for the best interface

Industrial Personal Computer





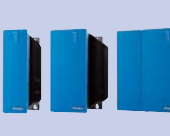
PS4000 SERIES

durability



Line up

Fits your various needs with Built-to-Order (BTO)

	PS-4800	PS-4700	PS-4700 (Embedded model)	PS-4600	PS-4000B
	 Aluminum Bezel	 Aluminum Bezel	 Aluminum Bezel	 Aluminum Bezel	 No bezel (Rear-mount)
	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	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	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	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 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 7 Premium (32bit), XP Professional (32bit) or 7 Ultimate (32/64bit)	—
Storage	CF: 4GB or 8GB* ⁸ HDD: 500GB SSD: 60GB	—	CF: 4GB* ⁸	CFAST: 4GB or 8GB* ⁸ HDD: 500GB SSD: 60GB or 128GB* ⁹	CF: 4GB or 8GB* ⁸ HDD: 500GB SSD: 60GB
Interface	COM: 2 LAN: 2 CF: 1 CFast: — DVI-I: 1 USB: 5	COM: 2 LAN: 2 CF: 1 CFast: — DVI-I: 1 USB: 5 (4)* ¹⁰	COM: 1 LAN: 1 CF: 1 CFast: — DVI-I: — USB: 3 (2)* ¹⁰	COM: 2 LAN: 2 CF: — CFast: 1 DVI-I: 1 USB: 5 (4)* ¹⁰	COM: 2 LAN: 2 CF: 1 CFast: — DVI-I: 1 USB: 5
Expansion Option	DVD Multi drive HDD SSD	—	—	DVD Multi drive HDD SSD	DVD Multi drive HDD SSD
I/F Port	RS-232C/422/485 UPS	—	Ethernet	RS-232C/422/485 UPS	RS-232C/422/485 DVI-D UPS

*: 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: The SSD 128GB is under development. *¹⁰: Stainless Steel Bezel Models and Rear-mount Models have no front USB interface.

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.

For detailed specifications, visit our website.

<http://www.pro-face.com/product/ipc/ps4000/>



Features

Four keywords for ensuring stable use of PCs in Industrial environments

Dependability

Disk-less System for Secure Operation

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

*¹ PS-4600 only



(Image of PS-4700 Embedded model)

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

High-speed Processing

Powerful CPU processors and high data transfer bandwidth thanks to CFAST*, USB 3.0* as well as PCI Express x8*.

* PS-4600 only

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 PS-4800 or PS-4700 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.

HDD Mirroring for Backup

The PS4600 with Core™ i3 support disk mirroring.

For Stable OS Shutdown Anywhere

UPS (Uninterruptible Power Supply) is available.



(Image of PS-4800 or PS-4700 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.

Support in 22 Countries

Repair service is available in 22 countries. Complying with safety standards.*



* For details safety standard certification, see the PS4000 Series specification page on our website.

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.

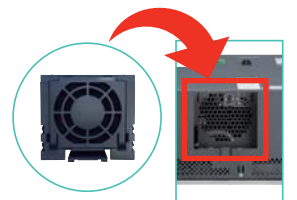


(Image of PS-4800 or PS-4700 Model)

Sliding expansion Slot (Slide-in Slot)
HDD/SSD Slot (Slide-in Disk)

Easily Replaceable Fan

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



Compatibility

Reusing the Resources of the HMI

With the runtime engine WinGP, screens created on the "HMI Screen Editor Software" GP-Pro EX can be used on a PC.*

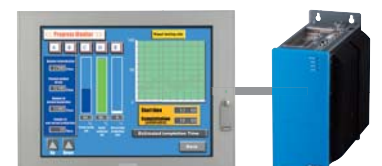
* Logic programming is not available for PS4000 series.



Compatible with Industrial Touch Monitor

The PS4000 Series support connection to a Pro-face Industrial Flat Panel Monitor, FP3000 Series* using a DVI cable.

* Rev.2 or later supports DVI hot-plug-detect function.



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"

*i*ntimacy

Connect intimately with our customers and stakeholders

*i*nteraction

Enhance customer experience through positive interaction

*i*nnovation

Provide benefits to our customers through innovation

⚠ WARNING

HAZARD OF OPERATOR INJURY, OR UNINTENDED EQUIPMENT DAMAGE

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

Failure to follow these instruction can result in death or serious injury, unintended equipment damage.

For printing purposes, the colors in this catalog may differ from those of the actual unit. Actual user screens may differ from the screens shown here.

Electric equipment should be installed, operated, serviced, and maintained only by qualified personnel. No responsibility is assumed by Digital for any consequences arising out of the use of this material.

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Global Headquarters Digital Electronics Corporation Osaka, JAPAN Tel: +81 (0)6 6613 1101 Fax: +81 (0)6 6613 5888 www.pro-face.com info@pro-face.com	North America Pro-face America, Inc. Ann Arbor, MI U.S.A Tel: +1 734 477 0600 Fax: +1 734 864 7347 www.profaceamerica.com info@profaceamerica.com	Taiwan Pro-face Taiwan Co., Ltd. Taipei, TAIWAN Tel: +886 (0)2 2657 1121 Fax: +886 (0)2 2657 1021 www.proface.com.tw proface@proface.com.tw	European Headquarters Pro-face Europe B.V. Hoofddorp, THE NETHERLANDS Tel: +31 (0)23 55 44 099 Fax: +31 (0)23 55 44 090 www.proface.eu info@proface.eu	Italy Pro-face Italia S.p.a. Bovisio Masciago (Milano), ITALY Tel: +39 (0)362 59 96 1 Fax: +39 (0)362 59 96 69 www.proface.it info@proface.it	Spain and Portugal Pro-face España Cardedeu (Barcelona), SPAIN Tel: +34 (0)93 846 07 45 Fax: +34 (0)93 845 48 68 www.proface.es info@proface.es
Australia and New Zealand Pro-face Australia Mt. Waverley, AUSTRALIA Tel: +61 (0)3 9550 7396 Fax: +61 (0)3 9550 7390 www.pro-face.com.au www.pro-face.co.nz pfau@pro-face.com	Singapore Pro-face Singapore TechPoint, Singapore Tel: +65-6832-5533 Fax: +65-6415-1605 www.proface.sg info@proface.sg	Austria Pro-face Europe B.V.(Austria Office) Hagenberg, AUSTRIA Tel: +43 7236 3343 620 FAX: +43 7236 3343 629 www.proface.at info@proface.at	Denmark Pro-face Northern Europe ApS Roskilde, DENMARK Tel: +45 70 22 01 22 Fax: +45 70 22 01 33 www.proface.dk info@proface.dk	Sweden Pro-face Sweden AB Löddeköpinge (Malmö), SWEDEN Tel: +46 46 540 90 70 Fax: +46 46 71 27 90 www.proface.se info@proface.se	
China Pro-face China International Trading Co., Ltd. Shanghai, P. R. CHINA Tel: +86 (0)21 6361 5175 Fax: +86 (0)21 6361 5176 www.proface.com.cn proface@proface.com.cn	South-East Asia Pacific Pro-face South-East Asia Pacific Co.,Ltd. Bangkok, THAILAND Tel: +66 (0)2 617 5678 Fax: +66 (0)2 617 5688 www.proface.co.th pfsales@proface.co.th	France Pro-face France S.A.S. Mity-Mory, FRANCE Tel: +33 (0)1 60 21 22 91 Fax: +33 (0)1 60 21 22 92 www.proface.fr info@proface.fr	Poland Pro-face Europe B.V.(Warsaw Office) Warszawa, POLAND Tel: +48 (22) 465 66 62 Fax: +48 (22) 465 66 67 www.proface.pl info@proface.pl	Switzerland Pro-face Schweiz GmbH Regensdorf, SWITZERLAND Tel: +41 (0)43 343 7272 Fax: +41 (0)43 343 7279 www.proface.ch info@proface.ch	
India Pro-face India Bangalore, INDIA Tel: +91 80 4333 3540/3541 Fax: +91 80 4333 3222 www.proface.co.in sales.proface@proface.com.in	South Korea Pro-face Korea Co., Ltd. Seoul, SOUTH KOREA Tel: +82 (0)2 2630 9850 Fax: +82 (0)2 2630 9860 www.proface.co.kr proface@proface.co.kr	Germany Pro-face Deutschland GmbH Solingen, GERMANY Tel: +49 (0)212 258 260 Fax: +49 (0)212 258 2640 www.proface.de info@proface.de	Russia Pro-face Europe B.V. (Russia Office) Saint-Petersburg, RUSSIA Tel: +7 (812) 336 47 06 Fax: +7 (812) 336 47 18 www.pro-face.ru info@pro-face.ru	United Kingdom Pro-face UK Ltd Coventry, ENGLAND Tel: +44 (0)2476 511288 Fax: +44 (0)2476 511499 www.proface.co.uk info@proface.co.uk	