

# DATENBLATT

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## PT-S1000-Serie

### **HABEN SIE FRAGEN ODER WÜNSCHEN SIE EIN INDIVIDUELLES ANGEBOT?**

Unser Team berät Sie gerne persönlich.

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### **ADRESSE**

Am Sonnenlicht 5

D-82239 Alling bei München



**PANEL-PC**  
Intel® Core™ processor (FCPGA988)  
**PT-S1000 Series**



\* Left : PT-S1000HX-DC7000      Right : PT-S1000XSXP2-DC7000

\* Specifications, color and design of the products are subject to change without notice.

**Features**

- 3rd gen. Intel® Core™ processor (FCPGA988) with high performance
- External DVI/HDMI/Analog RGB output support 1920x1200
- Easy replacement of the storage device 2.5" SATA bay
- 15" LCD or 17" LCD with long-life touch panel screen and LED back light for power saving
- Support 5-wire resistive touch panel
- Dual LAN, 4x COM, 6x USB, and other rich expansion interface.
- Two PCI expansion slots models
- Supports 10.8 - 31.2VDC wide range of power supplies
- Device drivers for Windows 7 Professional

**Specifications**

**Function specification < 1 / 2 >**

Model	PT-S1000HX-DC7000	PT-S1000HXP2-DC7000	PT-S1000XSX-DC7000	PT-S1000XSXP2-DC7000
Assembly type	Panel mounted			
CPU	[Recommended]			
	Core i7-3610QE 3.30GHz			
	[Available]			
	Core i5-3610ME 2.70GHz Core i3-3120ME 2.40GHz Celeron 1020E 2.20GHz			
Chipset	Intel® QM77			
BIOS	BIOS (mfd. by AMI)			
Memory	4GB ( 204pin SO-DIMM x2), DDR3-1333/1600, Option: +4GB			
Graphic	Controller	Intel® HD4000 (Built in Intel® Core™ Processor)		
	Video RAM	Main memory shared		
LCD type	Video BIOS	64KB(C0000H-CFFFFH)		
	LCD type	15-inch, XGA(1024 x 768)	17-inch, SXGA(1280 x 1024)	
	Backlight	TFT color LCD, 16,770,000 colors		
Touch panel	Detection method	LED method, The ON/OFF software can control.		
	Resolution	2048 x 2048	Emulated in 1024 x 768 mode	
	Detection method	Resistive-film analog type		
	Connection	Emulated in 1280 x 1024 mode		
Connection	Internal USB port			

This product is a Panel-PC that supports Intel® Core™ processor (FCPGA988). This product uses a long-life and energy-saving LED backlight. This product uses a 5-wire resistive film touch panel, which has improved durability.

This product can be used in a variety of applications as the controller such as operation terminals located in manufacturing lines, distribution systems, and other parts of factories.

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**Function specification < 2 / 2 >**

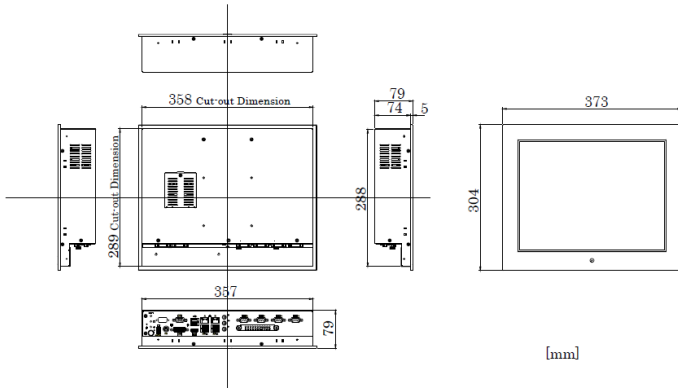
Interface	Model	PT-S1000HX-DC7000	PT-S1000HXP2-DC7000	PT-S1000XSX-DC7000	PT-S1000XSXP2-DC7000	
External display output (only one choice)	DVI-D	1 port (29-pin DVI-I connector), 1,920 x 1,200 (Max), 16,770,000 colors, for DVI-D only				
	HDMI	1 port (19-pin HDMI Type A connector), 1,920 x 1,200 (Max), 16,770,000 colors for HDMI1.4b				
	VGA	1 port (15-pin VGA connector), 2,048 x 1,536 (Max.) for VGA				
Audio	LINE-OUTx1/3.5-phi mini jack, LINE-INx1/3.5-phi mini jack, MIC-INx1/3.5-phi mini jack, HD Audio compliant					
Serial ATA	2.5-inch SATA HDD Drive Bay x 1 (Option: +1 Drive Bay), Corresponding to serial ATA 3.0 standard port					
LAN	I/F	RJ-45 x 2 @ 100BASE-T/100BASE-TX/10BASE-T (Wake On LAN support)				
	Controller	Intel® 82579LM (LAN1), Intel® 82583V (LAN2)				
USB	USB 3.0 x 4 / USB 2.0 x 2					
Serial	Controller	9-pin DSUB (male) x 3 @ RS-232C (general-purpose) / SERIAL PORT1,2,3				
		9-pin DSUB (male) x 1 @ RS-232C/422/485 (general-purpose) / SERIAL PORT4				
		Baud rate: 50 - 115,200bps				
PS/2 Keyboard & Mouse	Yes					
General-purpose I/O	Option					
Hardware monitoring	Monitoring CPU temperature, board temperature, power voltage					
Watch dog timer	Software programmable, 255 level (1sec - 255 sec), Causes a reset upon time-out.					
Real-time clock	QM77 integrated, The real-time clock is accurate within ±3 minutes (at 25°C) per month					
		Lithium backup battery life: 7 years or more				
Expansion board slot			PCI slot x 2	PCI slot x 2		
			Usable board dimension: 185 mm (Max)	Usable board dimension: 185 mm (Max)		
Power Management	Power management setup via BIOS, Power On by Ring / Wake On LAN, Supports ACPI Power management					
Power supply	Power supply connector	12 - 24VDC				
	Current consumption	Use a DC power cable shorter than 3m. 12VDC: 16.1A (Max) 24VDC: 7.9A (Max)				
	Expansion board power supply capacity	-	+12V: 1A, +5V: 2A, +3.3V: 1A, -12V: 0.5A, -5V: Not supplied	-	+12V: 1A, +5V: 2A, +3.3V: 1A, -12V: 0.5A, -5V: Not supplied	
	External device power supply capacity	USB2.0 +5V: 1.0A (500mA x 2) USB3.0 +5V: 3.6A (900mA x 4)				

**Installation Environment Requirements**

Model	PT-S1000HX-DC7000	PT-S1000HXP2-DC7000	PT-S1000XSX-DC7000	PT-S1000XSXP2-DC7000
Operating temperature	0 - 50°C (0 - 45°C when using 1000BASE-T)			
Storage temperature	-10 - 60°C			
Operating humidity	10 - 90%RH (No condensation)			
Floating dust particles	Not to be excessive			
Corrosive gas	None			
Water / Dust proof	IP65 (front panel only)			
Noise resistance	Line noise	AC line / ±2kV, using power supply LDA100W-24 (COSEL)		
	Static electricity	Signal line/±1kV (IEC61000-4-4 Level 3, EN61000-4-4 Level 3)		
	Static electricity resistance	Contact discharge / ±4kV (IEC61000-4-2 Level 2, EN61000-4-2 Level 2), Atmospheric discharge / ±8kV (IEC61000-4-2 Level 3, EN61000-4-2 Level 3)		
	Static electricity resistance	Contact discharge / ±4kV (IEC61000-4-2 Level 2, EN61000-4-2 Level 2), Atmospheric discharge / ±8kV (IEC61000-4-2 Level 3, EN61000-4-2 Level 3)		
Vibration resistance	Sweep resistance	When HDD is turned on: 10 - 50Hz/0.5G, 25 min. each in x, y, and z directions (JIS C60068-2-6-compliant, IEC60068-2-6-compliant)		
	Sweep resistance	When HDD is turned off: 10 - 57Hz/semi-amplitude 0.15 mm 57 - 150Hz/1.5G, 40 min. each in x, y, and z directions. (JIS C 60028-2-6-compliant, IEC 60068-2-6-compliant)		
Impact resistance	10G, half-sine shock for 11 ms in x, y, and z directions. (JIS C60068-2-27-compliant, IEC68-2-27-compliant)			
Grounding	Class D grounding, SG-FG / continuity			

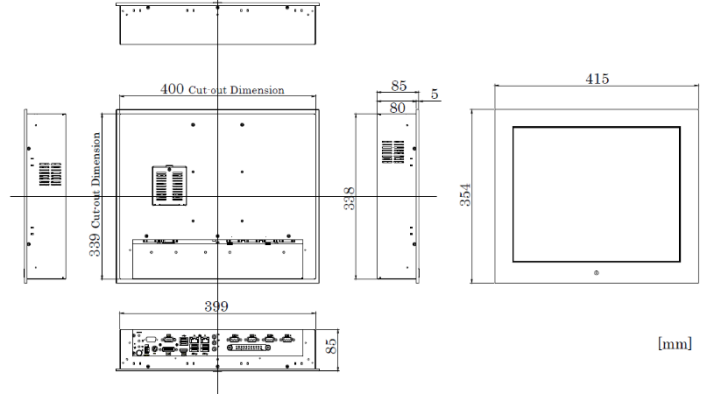
**External Dimensions**

**PT-S1000HX-DC7000**



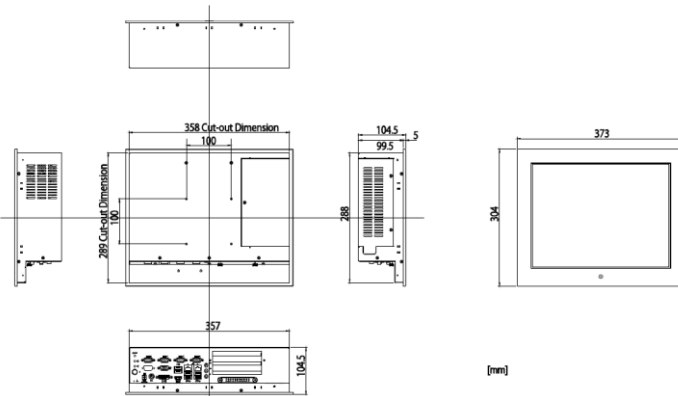
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**PT-S1000XSX-DC7000**



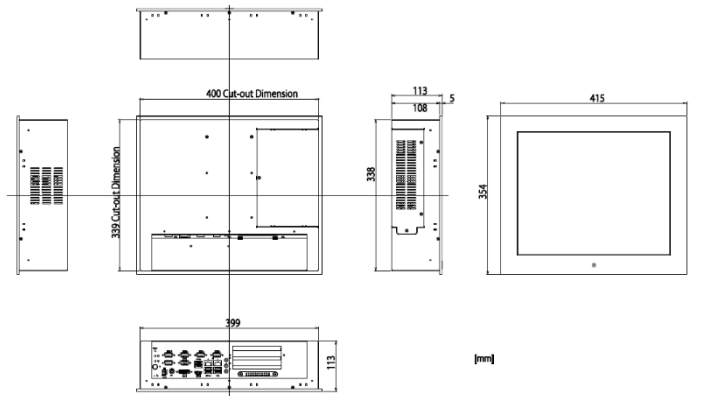
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**PT-S1000HXP2-DC7000**



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**PT-S1000XSP2-DC7000**



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