

Industrial PC

PS5000 SERIES

Modular Type

Combine the Box type and the Display in a range of sizes. With a variety of Windows platforms available, and Pro-face's build to order offerings, the application options are endless. Also a Box module can be used alone.



Core i7/Celeron Model

Model	CPU	RAM (Memory)	Supported OS	Storage	Expansion Slot	Optional interface	Projected Capacitive					Resistive Film		Box Type
							22" Wide	19" Wide	15" Wide	12" Wide	10" Wide	15"	12"	
Core i7	Core i7 4650U 1.7 GHz	8 GB or 16 GB	Win7 Ultimate (64 bit) ----- or ----- WES7 (32 / 64 bit) ----- or ----- Win8.1 Industry (64bit) ----- or ----- Win10 IoT Enterprise (64bit)*1	HDD (500 GB / 1 TB) ----- or ----- SSD (128 GB / 256 GB) ----- or ----- CFast Card (16GB*2 / 32GB)*3	0 slot or 2 slots *4	x 2	✓	✓	✓	✓		✓	✓	PS-5000B
Celeron	Celeron 2980U 1.6 GHz	4 GB or 8 GB					✓	✓	✓	✓		✓	✓	PS-5000B

Atom Model

Model	CPU	RAM (Memory)	Supported OS	Storage	Expansion Slot	Optional interface	Projected Capacitive					Resistive Film		Box TYPE
							22" Wide	19" Wide	15" Wide	12" Wide	10" Wide	15"	12"	
Atom (Optional Interface Mounted Type)	Atom E3930 1.3 GH	4 GB or 8 GB	Win10 IoT Enterprise (64bit) *1	M.2 SSD (64 GB / 128 GB / 256 GB) ----- or ----- HDD *2 (500 GB / 1 TB) ----- or ----- SSD *2 (256 GB)	0 slot	x 1	✓	✓	✓	✓		✓	✓	PS-5001B
Atom (Optional Interface Non-mounted Type)				M.2 SSD (64 GB / 128 GB / 256 GB)		None *5	✓	✓	✓	✓	✓	PS-5001B		
Atom (Entry)		4GB		eMMC (64 GB / 128 GB)		x 1	✓	✓	✓	✓	✓	PS-5001B		

Slim Type

This integrated panel offers a drastically slimmer profile with less wasted space, while retaining the high performance. The optimized design is ideal for equipment that needs to save space.



Model	CPU	RAM (Memory)	Supported OS	Storage	Expansion Slot	Optional interface	Projected Capacitive					Resistive Film		
							22" Wide	19" Wide	15" Wide	12" Wide	10" Wide	15"	12"	
Core i3	Core i3 4010U 1.7 GHz	8 GB	Win7 Ultimate (64 bit) ----- or ----- WES7 (32 / 64 bit) ----- or ----- Win8.1 Industry (64bit) ----- or ----- Win10 IoT Enterprise (64bit)*1	HDD (500 GB / 1 TB) ----- or ----- SSD (128 GB / 256 GB) ----- or ----- CFast Card*6 (16GB*2 / 32GB)*3	0 slot	x 1		✓ Also apply to Enclosed Model	✓					
Atom	Atom E3827 1.75 GHz	4 GB							✓		✓			

*1 Apply BAT Tool (Update patch) to use UWF (Unified Write Filter) with Windows 10 IoT Enterprise 2016 LTSB.

https://www.pro-face.com/otasuke/download/ps/ps5000/update/bat_tool_uwf.htm

*2 For secondary storage only.

*3 Only WES7

*4 PCI or PCIe combination can be chosen for a 2 slot type model.

*5 Internal expansion can be used with optional interface non-mounted type.

*6 Except of Enclosed Model

Modular Type <Core i7 Model>

PS5000 SERIES

Functional Specification

	PS-5900W	PS-5800W	PS-5700W	PS-5600W	PS-5700T	PS-5600T
Display Size	21.5" Wide	18.5" Wide	15.6" Wide	12.1" Wide	15" Wide	12" Wide
Display Aspect Ratio	16:9				4:3	
Display Colors	16.7 Million					
Backlight	LED Life Span > 50,000 h @ 25 °C [77 °F]					
Brightness Control	Step Less Adjustment					
Supported OS	Windows 7 Ultimate (64 bit) Windows Embedded Standard 7 (32 bit / 64 bit) MUI Windows Embedded 8.1 Industry (64 bit) Windows 10 IoT Enterprise 2016 LTSB (64 bit) * Apply BAT Tool (Update patch) to use UWF (Unified Write Filter) with Windows 10 IoT Enterprise 2016 LTSB. https://www.pro-face.com/otasuke/download/ps/ps5000/update/bat_tool_uwf.htm					
CPU	Intel Core i7-4650U 1.7 GHz					
Main Memory	8 GB or 16 GB, DDR3L 1600 MHz, SO-DIMM SDRAM 512 KB MRAM for the user applications					
Storage Memory	HDD (500GB / 1TB) / SSD (256GB) x 2, CFast *1 (16GB *2 / 32GB)					
Graphics Accelerator	Intel HD Graphics					
Video Memory	Up to 2 GB ,Shared System Memory					
Graphics	Full HD (1,920 x 1,080 Pixels)	FWXGA (1,366 x 768 Pixels)	WXGA (1,280 x 800 Pixels)	XGA (1,024 x 768 Pixels)		
Touch Panel Type	Capacitive multi-touch 5 simultaneous touch (projected capacitive)				Resistive single touch	
Touch Panel Resolution	4,096 x 4,096			2,048 x 2,048		
Interface	Serial (COM1)	RS-232C/422/485 (D-Sub 9-pin, plug)				
	Ethernet (LAN1)	10/100/1000 Mbit/s (RJ-45 Modular jack)				
	Ethernet (LAN2)	10/100/1000 Mbit/s (RJ-45 Modular jack)				
	USB	USB 3.0 x 2, USB 2.0 x 2 (Type A)			USB 3.0 x 2, USB 2.0 x 2 USB 2.0 (front) x 1 (Type A)	
	Video	Display Port x 2				
	Expansion Slot *3	"PCIe (x1) x 1 + PCIe (x4) x 1" or "PCI x 2" or "PCI x 1 + PCIe (x4) x 1"				
	Internal Expansion	Mini PCIe x 2				

*1 Only Windows Embedded Standard 7 (32bit / 64bit) MUI

*2 For secondary storage only

*3 2 slot model only

General Specification

	PS-5900W	PS-5800W	PS-5700W	PS-5600W	PS-5700T	PS-5600T
Rated Input Voltage	DC Power Model: 24 Vdc ±20 % When using AC power supply unit : 100 to 240 Vac *4					
Power Consumption	50.7 W (Max 64.85 W)	48.1 W (Max 63.28 W)	46.1 W (Max 54.5 W)	42.6 W (Max 58.65 W)	44.9 W (Max 53.04 W)	43.6 W (Max 57.87 W)
In-Rush Current	8.9 A					
Surrounding Air Temperature	When using SSD / CFast running: 0 to 55 °C [32 to 131 °F] When using HDD running: 0 to 45 °C [32 to 113 °F] When using PCI/PCLE: 0 to 45 °C [32 to 113 °F] When using internal expansion x2 + display module: 0 to 45 °C [32 to 113 °F] When using Gigabit Ethernet PoE interface card for internal expansion: 0 to 45 °C [32 to 113 °F]					
Storage Temperature	-30 to 70 °C [-22 to 158 °F]					
Ambient Humidity	10 to 95 % RH (Wet Bulb Temperature: 40 °C [104 °F] max. - No Condensation)					
Storage Humidity	10 to 95 % RH (Wet Bulb Temperature: 40 °C [104 °F] max. - No Condensation)					
Pollution Degree	For use in pollution degree 2 environment					
Air Pressure (Altitude Range)	2,000 m [6,560 ft] max.					
Vibration Resistance	Operation for products with SSD or CFast: 5 to 500 Hz: 2Grms Operation for products with HDD: 5 to 500 Hz: 1Grms					
Concussion Resistance	IEC 60068-2-27 Ea Test					
Electromagnetic Compatibility (EMC)	Immunity to high frequency interference electromagnetic emissions class A					
Structure	IP66 front side of display					
Installation Configuration	Panel Mounting or VESA Mounting *5					
Cooling Method	Passive Heat Sink *The operating temperature is limited to 45 °C and the cooling FAN is required for PCI/PCIE cards installed on board with power consumption from 3 W to 6 W max. for two cards or 10 W maximum for one card.					
Weight Approx. (0 Slot)	9.7 kg [21.3 lbs]	8.3 kg [18.3 lbs]	7.4 kg [16.3 lbs]	5.35 kg [11.76 lbs]	7.3 kg [16 lbs]	5.4 kg [11.87 lbs]
Weight Approx. (2 Slot)	10.5 kg [23.1 lbs]	9.1 kg [20.1 lbs]	8.2 kg [18.1 lbs]	6.15 kg [13.56 lbs]	8.1 kg [17.8 lbs]	6.2 kg [13.67 lbs]
External Dimensions (0 Slot)	W558.4 x H349.8 x D93.2 mm [W21.98x H13.77 x D3.67 in.]	W488.3 x H309 x D93.2 mm [W19.21 x H12.17 x D3.67 in.]	W419.7 x H269 x D93.2 mm [W16.52 x H10.59 x D3.67 in.]	W329.2 x H231.3 x D93.2 mm [W12.96 x H9.11 x D3.67 in.]	W390.7 x H290 x D93.2 mm [W15.38 x H11.42 x D3.67 in.]	W319.1 x H245.1 x D93.2 mm [W12.56 x H9.65 x D3.67 in.]
External Dimensions (2 Slot)	W558.4 x H349.8 x D131.2 mm [W21.98x H13.77 x D5.16 in.]	W488.3 x H309 x D131.2 mm [W19.21 x H12.17 x D5.16 in.]	W419.7 x H269 x D131.2 mm [W16.52 x H10.59 x D5.16 in.]	W329.2 x H231.3 x D131.2 mm [W12.96 x H9.11 x D5.16 in.]	W390.7 x H290 x D131.2 mm [W15.38 x H11.42 x D5.16 in.]	W319.1 x H245.1 x D131.2 mm [W12.56 x H9.65 x D5.16 in.]
Panel Cut Dimensions	W550.3 x H341.8 mm [W21.66 x H13.45 in.]	W479.3 x H300.3 mm [W18.87 x H11.82 in.]	W412.4 x H261.7 mm [W16.24 x H10.30 in.]	W310 x H221 mm [W12.2 x H8.7 in.]	W383.5 x H282.5 mm [W15.09 x H11.12 in.]	W301.5 x H227.5 mm [W11.87 x H8.95 in.]

*4 For use at 100 to 240 Vac, an optional AC power supply unit (PFXZPBPUAC2) that is separately sold is required.

*5 For VESA mounting, an optional VESA mounting kit that is separately sold is required.

Modular Type <Celeron Model>

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Functional Specification

	PS-5900W	PS-5800W	PS-5700W	PS-5600W	PS-5700T	PS-5600T
Display Size	21.5" Wide	18.5" Wide	15.6" Wide	12.1" Wide	15" Wide	12" Wide
Display Aspect Ratio	16:9				4:3	
Display Colors	16.7 Million					
Backlight	LED Life Span > 50,000 h @ 25 °C [77 °F]					
Brightness Control	Step Less Adjustment					
Supported OS	Windows 7 Ultimate (64 bit) Windows Embedded Standard 7 (32 bit / 64 bit) MUI Windows Embedded 8.1 Industry (64 bit) Windows 10 IoT Enterprise 2016 LTSB (64 bit) * Apply BAT Tool (Update patch) to use UWF (Unified Write Filter) with Windows 10 IoT Enterprise 2016 LTSB. https://www.pro-face.com/otasuke/download/ps/ps5000/update/bat_tool_uwf.htm					
CPU	Intel Celeron 2980U 1.6 GHz					
Main Memory	4 GB or 8 GB, DDR3L 1600 MHz, SO-DIMM SDRAM 512 KB MRAM for the user applications					
Storage Memory	HDD (500GB / 1TB) / SSD (256GB) x 2, CFast *1 (16GB *2 / 32GB)					
Graphics Accelerator	Intel HD Graphics					
Video Memory	Up to 2 GB ,Shared System Memory					
Graphics	Full HD (1,920 x 1,080 Pixels)	FWXGA (1,366 x 768 Pixels)	WXGA (1,280 x 800 Pixels)	XGA (1,024 x 768 Pixels)		
Touch Panel Type	Capacitive multi-touch 5 simultaneous touch (projected capacitive)				Resistive single touch	
Touch Panel Resolution	4,096 x 4,096			2,048 x 2,048		
Interface	Serial (COM1)	RS-232C/422/485 (D-Sub 9-pin, plug)				
	Ethernet (LAN1)	10/100/1000 Mbit/s (RJ-45 Modular jack)				
	Ethernet (LAN2)	10/100/1000 Mbit/s (RJ-45 Modular jack)				
	USB	USB 3.0 x 2, USB 2.0 x 2 (Type A)			USB 3.0 x 2, USB 2.0 x 2 USB 2.0 (front) x 1 (Type A)	
	Video	Display Port x 2				
	Expansion Slot *3	"PCIe (x1) x 1 + PCIe (x4) x 1" or "PCI x 2" or "PCI x 1 + PCIe (x4) x 1"				
	Internal Expansion	Mini PCIe x 2				

*1 Only Windows Embedded Standard 7 (32bit / 64bit) MUI

*2 For secondary storage only

*3 2 slot model only

General Specification

	PS-5900W	PS-5800W	PS-5700W	PS-5600W	PS-5700T	PS-5600T
Rated Input Voltage	DC Power Model: 24 Vdc ±20 % When using AC power supply unit : 100 to 240 Vac *4					
Power Consumption	50.7 W (Max 64.85 W)	48.1 W (Max 63.28 W)	46.1 W (Max 54.5 W)	42.6 W (Max 58.65 W)	44.9 W (Max 53.04 W)	43.6 W (Max 57.87 W)
In-Rush Current	8.9 A					
Surrounding Air Temperature	When using SSD / CFast running: 0 to 55 °C [32 to 131 °F] When using HDD running: 0 to 45 °C [32 to 113 °F] When using PCI/PCIE: 0 to 45 °C [32 to 113 °F] When using internal expansion x2 + display module: 0 to 45 °C [32 to 113 °F] When using Gigabit Ethernet PoE interface card for internal expansion: 0 to 45 °C [32 to 113 °F]					
Storage Temperature	-30 to 70 °C [-22 to 158 °F]					
Ambient Humidity	10 to 95 % RH (Wet Bulb Temperature: 40 °C [104 °F] max. - No Condensation)					
Storage Humidity	10 to 95 % RH (Wet Bulb Temperature: 40 °C [104 °F] max. - No Condensation)					
Pollution Degree	For use in pollution degree 2 environment					
Air Pressure (Altitude Range)	2,000 m [6,560 ft] max.					
Vibration Resistance	Operation for products with SSD or CFast : 5 to 500 Hz: 2Grms Operation for products with HDD : 5 to 500 Hz: 1Grms					
Concussion Resistance	IEC 60068-2-27 Ea Test					
Electromagnetic Compatibility (EMC)	Immunity to high frequency interference electromagnetic emissions class A					
Structure	IP66 front side of display					
Installation Configuration	Panel Mounting or VESA Mounting *5					
Cooling Method	Passive Heat Sink *The operating temperature is limited to 45 °C and the cooling FAN is required for PCI/PCIE cards installed on board with power consumption from 3 W to 6 W max. for two cards or 10 W maximum for one card.					
Weight Approx. (0 Slot)	9.7 kg [21.3 lbs]	8.3 kg [18.3 lbs]	7.4 kg [16.3 lbs]	5.35 kg [11.76 lbs]	7.3 kg [16 lbs]	5.4 kg [11.87 lbs]
Weight Approx. (2 Slot)	10.5 kg [23.1 lbs]	9.1 kg [20.1 lbs]	8.2 kg [18.1 lbs]	6.15 kg [13.56 lbs]	8.1 kg [17.8 lbs]	6.2 kg [13.67 lbs]
External Dimensions (0 Slot)	W558.4 x H349.8 x D93.2 mm [W21.98x H13.77 x D3.67 in.]	W488.3 x H309 x D93.2 mm [W19.21 x H12.17 x D3.67 in.]	W419.7 x H269 x D93.2 mm [W16.52 x H10.59 x D3.67 in.]	W329.2 x H231.3 x D93.2 mm [W12.96 x H9.11 x D3.67 in.]	W390.7 x H290 x D93.2 mm [W15.38 x H11.42 x D3.67 in.]	W319.1 x H245.1 x D93.2 mm [W12.56 x H9.65 x D3.67 in.]
External Dimensions (2 Slot)	W558.4 x H349.8 x D131.2 mm [W21.98x H13.77 x D5.16 in.]	W488.3 x H309 x D131.2 mm [W19.21 x H12.17 x D5.16 in.]	W419.7 x H269 x D131.2 mm [W16.52 x H10.59 x D5.16 in.]	W329.2 x H231.3 x D131.2 mm [W12.96 x H9.11 x D5.16 in.]	W390.7 x H290 x D131.2 mm [W15.38 x H11.42 x D5.16 in.]	W319.1 x H245.1 x D131.2 mm [W12.56 x H9.65 x D5.16 in.]
Panel Cut Dimensions	W550.3 x H341.8 mm [W21.66 x H13.45 in.]	W479.3 x H300.3 mm [W18.87 x H11.82 in.]	W412.4 x H261.7 mm [W16.24 x H10.30 in.]	W310 x H221 mm [W12.2 x H8.7 in.]	W383.5 x H282.5 mm [W15.09 x H11.12 in.]	W301.5 x H227.5 mm [W11.87 x H8.95 in.]

*4 For use at 100 to 240 Vac, an optional AC power supply unit (PFXZPBPUAC2) that is separately sold is required.

*5 For VESA mounting, an optional VESA mounting kit that is separately sold is required.

Modular Type <Atom Model>

PS5000 SERIES

Functional Specification

	PS-5901W	PS-5801W	PS-5701W	PS-5601W	PS-5701T	PS-5601T
Display Size	21.5" Wide	18.5" Wide	15.6" Wide	12.1" Wide	15" Wide	12" Wide
Display Aspect Ratio	16:9				4:3	
Display Colors	16.7 Million					
Backlight	LED Life Span > 50,000 h @ 25 °C [77 °F]					
Brightness Control	Step Less Adjustment					
Supported OS	Windows 10 IoT Enterprise 2016 LTSB (64 bit) <i>* Apply BAT Tool (Update patch) to use UWF (Unified Write Filter) with Windows 10 IoT Enterprise 2016 LTSB.</i> https://www.pro-face.com/otasuke/download/ps/ps5000/update/bat_tool_uwf.htm					
CPU	Atom E3930 1.3 GHz					
Main Memory	4 GB or 8 GB, DDR3L 1600 MHz, SO-DIMM SDRAM					
Storage memory	M.2 SSD (64GB / 128GB / 256GB) x 1, HDD*1 (500GB / 1TB) / SSD*1 (256GB) x 1					
Graphics Accelerator	Intel HD Graphics					
Video Memory	Up to 2 GB ,Shared System Memory					
Graphics	Full HD (1,920 x 1,080 Pixels)	FWXGA (1,366 x 768 Pixels)		WXGA (1,280 x 800 Pixels)	XGA (1,024 x 768 Pixels)	
Touch Panel Type	Capacitive multi-touch 5 simultaneous touch (projected capacitive)				Resistive single touch	
Touch Panel Resolution	4,096 x 4,096			2,048 x 2,048		
Interface	Serial (COM1)	COM1 RS-232 (non isolated, D-Sub 9-pin, plug)				
	Serial (COM2)	COM2 RS-232C/RS-422/485 (non isolated, D-Sub 9-pin, plug)				
	Ethernet (LAN1)	10/100/1000 Mbit/s (RJ-45 Modular jack)				
	Ethernet (LAN2)	10/100/1000 Mbit/s (RJ-45 Modular jack)				
	USB	USB 3.0 x 2, USB 2.0 x 2 (Type A)			USB 3.0 x 2, USB 2.0 x 2 USB 2.0 (front) x 1 (Type A)	
	Video	Display Port x 2				
	Expansion Slot	-				
Internal Expansion	Mini PCIe x 1					

*1 Optional interface mounted type only. For use, an option unit (PFXZPEADHDD2) that is separately sold is required. HDD and SSD can be selected for secondary storage only.

General Specification

	PS-5901W	PS-5801W	PS-5701W	PS-5601W	PS-5701T	PS-5601T
Rated Input Voltage	DC Power Model: 12 to 24 Vdc ±20 % When using AC power supply unit : 100 to 240 Vac *2					
Power Consumption	22.2 W (Max 49.85 W)	21.1 W (Max 48.28 W)	20.2 W (Max 39.5 W)	16.5 W (Max 43.65 W)	18.3 W (Max 38.04 W)	17.1 W (Max 42.87 W)
In-Rush Current	2.03 A					
Surrounding Air Temperature	0...55 °C (32...131 °F): HDD/optional interface installed: limited to 45 °C (113 °F)					
Storage Temperature	-30 to 70 °C [-22 to 158 °F]					
Ambient Humidity	10 to 95 % RH (Wet Bulb Temperature: 40 °C [104 °F] max. - No Condensation)					
Storage Humidity	10 to 95 % RH (Wet Bulb Temperature: 40 °C [104 °F] max. - No Condensation)					
Pollution Degree	For use in pollution degree 2 environment					
Air Pressure (Altitude Range)	2,000 m [6,560 ft] max.					
Vibration Resistance	Operation for products with SSD or eMMC: 5 to 500 Hz: 2Grms Operation for products with HDD : 5 to 500 Hz: 1Grms					
Concussion Resistance	IEC 60068-2-27 Ea Test					
Electromagnetic Compatibility (EMC)	Immunity to high frequency interference electromagnetic emissions class A					
Structure	IP66 front side of display					
Installation Configuration	Panel Mounting or VESA Mounting *3					
Cooling Method	Passive Heat Sink					
Weight Approx. (Optional interface non-mounted type)	7.85 kg [17.25 lbs]	6.45 kg [14.25 lbs]	5.55 kg [12.25 lbs]	3.50 kg [7.71 lbs]	5.45 kg [11.95 lbs]	3.55 kg [7.82 lbs]
Weight Approx. (Optional interface mounted type)	7.9 kg [17.36 lbs]	6.5 kg [14.36 lbs]	5.6 kg [12.36 lbs]	3.55 kg [7.82 lbs]	5.5 kg [12.06 lbs]	3.6 kg [7.93 lbs]
External Dimensions (Optional interface non-mounted type)	W558.4 x H349.8 x D66.0 mm [W21.98x H13.77 x D2.60 in.]	W488.3 x H309 x D66.0 mm [W19.21 x H12.17 x D2.60 in.]	W419.7 x H269 x D66.0 mm [W16.52 x H10.59 x D2.60 in.]	W329.2 x H231.3 x D66.0 mm [W12.96 x H9.11 x D2.60 in.]	W390.7 x H290 x D66.0 mm [W15.38 x H11.42 x D2.60 in.]	W319.1 x H245.1 x D66.0 mm [W12.56 x H9.65 x D2.60 in.]
External Dimensions (Optional interface mounted type)	W558.4 x H349.8 x D82.0 mm [W21.98x H13.77 x D3.23 in.]	W488 x H309 x D82.0 mm [W19.21 x H12.17 x D3.23 in.]	W419.7 x H269 x D82.0 mm [W16.52 x H10.59 x D3.23 in.]	W329.2 x H231.3 x D82.0 mm [W12.96 x H9.11 x D3.23 in.]	W390.7 x H290 x D82.0 mm [W15.38 x H11.42 x D3.23 in.]	W319.1 x H245.1 x D82.0 mm [W12.56 x H9.65 x D3.23 in.]
Panel Cut Dimensions	W550.3 x H341.8 mm [W21.66 x H13.45 in.]	W479.3 x H300.3 mm [W18.87 x H11.82 in.]	W412.4 x H261.7 mm [W16.24 x H10.30 in.]	W310 x H221 mm [W12.2 x H8.7 in.]	W383.5 x H282.5 mm [W15.09 x H11.12 in.]	W301.5 x H227.5 mm [W11.87 x H8.95 in.]

*2 For use at 100 to 240 Vac, an optional AC / DC power adapter (PFXZPSPUAC2, PFXZPBPUC2) that is separately sold is required.

*3 For VESA Arm mounting, an optional VESA Arm mounting kit (PFXZPBADVS02, PFXZPP12ADVS2) that is separately sold is required.

Modular Type <Atom model (Entry)>

PS5000 SERIES

Functional Specification

	PS-5901W	PS-5801W	PS-5701W	PS-5601W	PS-5701T	PS-5601T
Display Size	21.5" Wide	18.5" Wide	15.6" Wide	12.1" Wide	15" Wide	12" Wide
Display Aspect Ratio	16:9				4:3	
Display Colors	16.7 Million					
Backlight	LED Life Span > 50,000 h @ 25 °C [77 °F]					
Brightness Control	Step Less Adjustment					
Supported OS	Windows 10 IoT Enterprise 2016 LTSB (64 bit) * Apply BAT Tool (Update patch) to use UWF (Unified Write Filter) with Windows 10 IoT Enterprise 2016 LTSB. https://www.pro-face.com/otasuke/download/ps/ps5000/update/bat_tool_uwf.htm					
CPU	Atom E3930 1.3 GHz					
Main Memory	4 GB, DDR3L 1600 MHz, SO-DIMM SDRAM					
Storage memory	eMMC (64 GB / 128 GB)					
Graphics Accelerator	Intel HD Graphics					
Video Memory	Up to 2 GB ,Shared System Memory					
Graphics	Full HD (1,920 x 1,080 Pixels)	FWXGA (1,366 x 768 Pixels)		WXGA (1,280 x 800 Pixels)	XGA (1,024 x 768 Pixels)	
Touch Panel Type	Capacitive multi-touch 5 simultaneous touch (projected capacitive)				Resistive single touch	
Touch Panel Resolution	4,096 x 4,096			2,048 x 2,048		
Interface	Serial (COM1)	COM1 RS-232C/RS-422/485 (non isolated, D-Sub 9-pin, plug)				
	Ethernet (LAN1)	10/100/1000 Mbit/s (RJ-45 Modular jack)				
	Ethernet (LAN2)	10/100/1000 Mbit/s (RJ-45 Modular jack)				
	USB	USB 3.0 x 1, USB 2.0 x 1 (Type A)			USB 3.0 x 1, USB 2.0 x 1 USB 2.0 (front) x 1 (Type A)	
	Video	Display Port x 1				
	Expansion Slot	-				
	Internal Expansion	Mini PCIe x 1				

General Specification

	PS-5901W	PS-5801W	PS-5701W	PS-5601W	PS-5701T	PS-5601T
Rated Input Voltage	DC Power Model: 12 to 24 Vdc ±20 % When using AC power supply unit : 100 to 240 Vac *1					
Power Consumption	21.1 W (Max 44.85 W)	19.5 W (Max 43.28 W)	18.6 W (Max 34.5 W)	15.9 W (Max 38.65 W)	16.7 W (Max 33.04 W)	15.1 W (Max 37.87 W)
In-Rush Current	2.03 A					
Surrounding Air Temperature	0 to 50 °C [32 to 122 °F] Optional interface installed : limited to 45 °C [113 °F]					
Storage Temperature	-30 to 70 °C [-22 to 158 °F]					
Ambient Humidity	10 to 95 % RH (Wet Bulb Temperature: 40 °C [104 °F] max. - No Condensation)					
Storage Humidity	10 to 95 % RH (Wet Bulb Temperature: 40 °C [104 °F] max. - No Condensation)					
Pollution Degree	For use in pollution degree 2 environment					
Air Pressure (Altitude Range)	2,000 m [6,560 ft] max.					
Vibration Resistance	Operation for products with eMMC: 5 to 500 Hz: 2Grms					
Concussion Resistance	IEC 60068-2-27 Ea Test					
Electromagnetic Compatibility (EMC) Structure	Immunity to high frequency interference electromagnetic emissions class A IP66 front side of display					
Installation Configuration	Panel Mounting or VESA Mounting *2					
Cooling Method	Passive Heat Sink					
Weight Approx.	7.8 kg [17.14 lbs]	6.4 kg [14.14 lbs]	5.5 kg [12.14 lbs]	3.45 kg [7.6 lbs]	5.4 kg [11.84 lbs]	3.5 kg [7.71 lbs]
External Dimensions	W558.4 x H349.8 x D74.0 mm [W21.98x H13.77 x D2.91 in.]	W488.3 x H309 x D74.0 mm [W21.98x H13.77 x D2.91 in.]	W419.7 x H269 x D74.0 mm [W21.98x H13.77 x D2.91 in.]	W329.2 x H231.3 x D74.0 mm [W21.98x H13.77 x D2.91 in.]	W390.7 x H290 x D74.0 mm [W21.98x H13.77 x D2.91 in.]	W319.1 x H245.1 x D74.0 mm [W21.98x H13.77 x D2.91 in.]
Panel Cut Dimensions	W550.3 x H341.8 mm [W21.66 x H13.45 in.]	W479.3 x H300.3 mm [W18.87 x H11.82 in.]	W412.4 x H261.7 mm [W16.24 x H10.30 in.]	W310 x H221 mm [W12.2 x H8.7 in.]	W383.5 x H282.5 mm [W15.09 x H11.12 in.]	W301.5 x H227.5 mm [W11.87 x H8.95 in.]

*1 For use at 100 to 240 Vac, an optional AC power supply unit (PFZPBPUC2) that is separately sold is required.

*2 For VESA mounting, an optional VESA mounting kit that is separately sold is required.

Modular Type <Core i7 Model / Celeron Model> Box only

PS5000SERIES

Functional Specification

		PS-5000B	
Model	Core i7 Model	Celeron Model	
OS	Windows 7 Ultimate (64 bit) Windows Embedded Standard 7 (32 bit/64 bit) MUI Windows Embedded 8.1 Industry (64 bit) Windows 10 IoT Enterprise 2016 LTSB (64 bit) * Apply BAT Tool (Update patch) to use UWF (Unified Write Filter) with Windows 10 IoT Enterprise 2016 LTSB. https://www.pro-face.com/otasuke/download/ps5000/update/bat_tool_uwf.htm		
CPU	Core i7-4650U 1.7 GHz	Celeron 2980U 1.6 GHz	
Main Memory	8 GB or 16 GB, DDR3L 1600 MHz, SO-DIMM SDRAM 512 KB MRAM for the user	4 GB or 8 GB, DDR3L 1600 MHz, SO-DIMM SDRAM 512 KB MRAM for the user	
Storage memory	HDD (500GB / 1TB) / SSD (256GB) x 2, CFast *1 (16GB *2 / 32GB)		
Graphics Accelerator	Intel HD Graphics 5000	Intel HD Graphics	
Video Memory	Up to 2 GB ,Shared System Memory		
Graphics	Up to Full HD (1,920 x 1,080 Pixels)		
Interface	Serial (COM1)	RS-232C/422/485 (D-sub 9-pin, Plug)	
	Ethernet (LAN1)	10/100/1000 Mbit/s (RJ-45 Modular Jack)	
	Ethernet (LAN2)	10/100/1000 Mbit/s (RJ-45 Modular Jack)	
	USB	USB 3.0 x 2, USB 2.0 x 2 (Type A)	
	Video	Display Port x 2	
	Internal Expansion	Mini PCIe x 1	
	Expansion Slot *2	"PCIe (x1) x 1 + PCIe (x4) x 1" or "PCI x 2" or "PCI x 1 + PCIe (x4) x 1"	

*1 Only Windows Embedded Standard 7 (32bit / 64bit) MUI

*2 2 slot model only

General Specification

		PS-5000B	
Model	Core i7 Model	Celeron Model	
Rated Input Voltage	DC Power Model: 24 Vdc ±20 % When using AC power supply unit : 100 to 240 Vac *3		
Power Consumption	40 W	35 W	
In-Rush Current	8.9 A		
Surrounding Air Temperature	[Vertically placed (Vertical mounting)] 0 to 55 °C [32 to 131 °F] (When using SSD or CFast) 0 to 45 °C [32 to 113 °F] (When using HDD) 0 to 45 °C [32 to 113 °F] (When using PCI/PCIe) When using 4G Cellular Module : 0 to 45 °C [32 to 113 °F] [Horizontally placed (Horizontal mounting)] 0 to 50 °C [32 to 122 °F] (When using SSD or CFast) * A fan kit is required for 2 slot type. 0 to 40 °C [32 to 104 °F] (When using HDD) 0 to 40 °C [32 to 104 °F] (When using Gigabit Ethernet PoE interface card for internal expansion) 0 to 40 °C [32 to 104 °F] (When the total power consumption of two PCI/PCIe cards for expansion slot exceeds 6W) When using 4G Cellular Module : 0 to 45 °C [32 to 113 °F]		
Storage Temperature	-30 to 70 °C [-22 to 158 °F]		
Ambient Humidity	10 to 95 % RH (Wet Bulb Temperature: 40 °C [104 °F] max. - No Condensation)		
Storage Humidity	10 to 95 % RH (Wet Bulb Temperature: 40 °C [104 °F] max. - No Condensation)		
Pollution Degree	For use in pollution degree 2 environment		
Air Pressure (Altitude Range)	2,000 m [6,560 ft] max.		
Vibration Resistance	Operation for products with SSD or CFast card storage device: 5 to 500 Hz: 2Grms Operation for products with HDD storage device: 5 to 500 Hz: 1Grms		
Concussion Resistance	IEC 60068-2-27 Ea Test		
Electromagnetic Compatibility (EMC)	Immunity to high frequency interference electromagnetic emissions class A		
Cooling Method	Passive Heat Sink		
Weight Approx. (0 Slot)	3.1 kg [6.8 lb]		
Weight Approx. (2 Slot)	3.9 kg [8.6 lb]		
External Dimensions (0 Slot)	W65.2 x H207 x D254 mm [W2.57 x H8.15 x D10 in.]		
External Dimensions (2 Slot)	W103.2 x H207 x D254 mm [W4.06 x H8.15 x D10 in.]		

*3 For use at 100 to 240 Vac, an optional AC power supply unit (PFXZPBPUAC2) that is separately sold is required.

Modular Type <Atom Model> Box only

PS5000SERIES

Functional Specification

PS-5001B		
OS	Windows 10 IoT Enterprise 2016 LTSB (64 bit) * Apply BAT Tool (Update patch) to use UWF (Unified Write Filter) with Windows 10 IoT Enterprise 2016 LTSB. https://www.pro-face.com/otasuke/download/ps/ps5000/update/bat_tool_uwf.htm	
CPU	Atom E3930 1.3 GHz	
Main Memory	4 GB or 8 GB, DDR3L 1600 MHz, SO-DIMM SDRAM	
Storage memory	M.2 SSD (64GB / 128GB / 256GB) x 1, HDD*1 (500GB / 1TB) / SSD*1 (256GB) x 1	
Graphics Accelerator	Intel HD Graphics	
Video Memory	Up to 2 GB ,Shared System Memory	
Graphics	Up to Full HD (1,920 x 1,080 Pixels)	
Interface	Serial (COM1)	COM1 RS-232 (non isolated, D-Sub 9-pin, plug)
	Serial (COM2)	COM2 RS-232C/RS-422/485 (non isolated, D-Sub 9-pin, plug)
	Ethernet (LAN1)	10/100/1000 Mbit/s (RJ-45 Modular jack)
	Ethernet (LAN2)	10/100/1000 Mbit/s (RJ-45 Modular jack)
	USB	USB 3.0 x 2, USB 2.0 x 2 (Type A)
	Video	Display Port x 2
	Internal Expansion	Mini PCIe x 1
	Expansion Slot	-

*1 Optional interface mounted type only. For use, an option unit (PFXZPEADHDD2) that is separately sold is required. HDD and SSD can be selected for secondary storage only.

General Specification

PS-5001B	
Rated Input Voltage	DC Power Model: 12 to 24 Vdc $\pm 20\%$ When using AC power supply unit : 100 to 240 Vac *2
Power Consumption	25 W
In-Rush Current	2.03 A
Surrounding Air Temperature	[Horizontally placed (Horizontal mounting)] 0 to 55 °C [32 to 131 °F] HDD/optional interface installed : limited to 45 °C [113 °F]
Storage Temperature	-30 to 70 °C [-22 to 158 °F]
Ambient Humidity	10 to 95 % RH (Wet Bulb Temperature: 40 °C [104 °F] max. - No Condensation)
Storage Humidity	10 to 95 % RH (Wet Bulb Temperature: 40 °C [104 °F] max. - No Condensation)
Pollution Degree	For use in pollution degree 2 environment
Air Pressure (Altitude Range)	2,000 m [6,560 ft] max.
Vibration Resistance	Operation for products with SSD or eMMC: 5 to 500 Hz: 2Grms Operation for products with HDD : 5 to 500 Hz: 1Grms
Concussion Resistance	IEC 60068-2-27 Ea Test
Electromagnetic Compatibility (EMC)	Immunity to high frequency interference electromagnetic emissions class A
Cooling Method	Passive Heat Sink
Weight Approx. (Optional interface non-mounted type)	1.25 kg [2.75 lb]
Weight Approx. (Optional interface non-mounted type)	1.3 kg (2.86 lbs)
External Dimensions (Optional interface non-mounted type)	W38 x H150 x D187 mm [W1.50 x H5.91 x D7.36 in.]
External Dimensions (Optional interface mounted type)	W54 x H150 x D187 mm [W2.13 x H5.91 x D7.36 in.]

*2 For use at 100 to 240 Vac, an optional AC power supply unit (PFXZPBUAC2) that is separately sold is required.

Modular Type <Atom Model(Entry)> Box only

PS5000SERIES

Functional Specification

PS-5001B		
OS	Windows 10 IoT Enterprise 2016 LTSB (64 bit) * Apply BAT Tool (Update patch) to use UWF (Unified Write Filter) with Windows 10 IoT Enterprise 2016 LTSB. https://www.pro-face.com/otasuke/download/ps/ps5000/update/bat_tool_uwf.htm	
CPU	Atom E3930 1.3 GHz	
Main Memory	4 GB, DDR3L 1600 MHz, SO-DIMM SDRAM	
Storage memory	eMMC x 1	
Graphics Accelerator	Intel HD Graphics	
Video Memory	Up to 2 GB ,Shared System Memory	
Graphics	Up to Full HD (1,920 x 1,080 Pixels)	
Interface	Serial	RS-232C/RS-422/485 (non isolated, D-Sub 9-pin, plug)
	Ethernet (LAN1)	10/100/1000 Mbit/s (RJ-45 Modular jack)
	Ethernet (LAN2)	10/100/1000 Mbit/s (RJ-45 Modular jack)
	USB	USB 3.0 x 1, USB 2.0 x 1 (Type A)
	Video	Display Port x 1
	Internal Expansion	Mini PCIe x 1
	Expansion Slot	-

General Specification

PS-5001B	
Rated Input Voltage	DC Power Model: 12 to 24 Vdc ±20 % When using AC power supply unit : 100 to 240 Vac *2
Power Consumption	20 W
In-Rush Current	2.03 A
Surrounding Air Temperature	[Operating temperature fo Box Atom (PFXPL2B5, PFXPL2B6)] 0 to 50 °C [32 to 122 °F] Optional interface installed : limited to 45 °C [113 °F]
Storage Temperature	-30 to 70 °C [-22 to 158 °F]
Ambient Humidity	10 to 95 % RH (Wet Bulb Temperature: 40 °C [104 °F] max. - No Condensation)
Storage Humidity	10 to 95 % RH (Wet Bulb Temperature: 40 °C [104 °F] max. - No Condensation)
Pollution Degree	For use in pollution degree 2 environment
Air Pressure (Altitude Range)	2,000 m [6,560 ft] max.
Vibration Resistance	Operation for products with eMMC: 5 to 500 Hz: 2Grms
Concussion Resistance	IEC 60068-2-27 Ea Test
Electromagnetic Compatibility (EMC)	Immunity to high frequency interference electromagnetic emissions class A
Cooling Method	Passive Heat Sink
Weight Approx.	1.2 kg (2.64 lbs)
External Dimensions	W46 x H150 x D187 mm [W1.81 x H5.91 x D7.36 in.]

*1 For use at 100 to 240 Vac, an optional AC power supply unit (PFXZPBPUAC2) that is separately sold is required.

Slim Type <Core i3 Model>

PS5000 SERIES

Functional Specification

	PS-5811W	PS-5711W	PS-5821W
Model	Core i3 Model		
Display Size	18.5"	15.6"	18.5"
Display Aspect Ratio	16:9		
Display Colors	16.7 Million		
Backlight	LED Life Span > 50,000 h @ 25 °C [77 °F]		
Brightness Control	Step Less Adjustment		
Supported OS	Windows 7 Ultimate (64 bit) Windows Embedded Standard 7 (32 bit/64 bit) MUI Windows Embedded 8.1 Industry (64 bit) Windows 10 IoT Enterprise 2016 LTSP (64 bit) * Apply BAT Tool (Update patch) to use UWF (Unified Write Filter) with Windows 10 IoT Enterprise 2016 LTSP. https://www.pro-face.com/otasuke/download/ps/ps5000/update/bat_tool_uwf.htm		
CPU	Intel Core i3-4010U 1.7GHz		
Main Memory	8 GB, DDR3L 1600 MHz, SO-DIMM SDRAM		
Storage Memory	HDD (500GB / 1TB) / SSD (256GB) x 2, CFast (16GB*1 / 32GB) x 1	HDD or SSD x1	
Graphics Accelerator	Intel HD Graphics 4400		
Video Memory	Up to 2 GB ,Shared System Memory		
Graphics	FWXGA (1,366 x 768 Pixels)		
Touch Panel Type	Capacitive Multi-touch 5 Simultaneous Touch (Projected Capacitive)		
Touch Panel Resolution	4,096 x 4,096		
Interface	Serial (COM1)	RS-232C (D-sub 9-pin, Plug)	RS-232C (M12 A-coding, 8-pin Plug)
	Serial (COM2)	RS-232C / 422 / 485 (D-sub 9-pin, Plug)	-
	Ethernet (LAN1)	10/100/1000 Mbit/s (RJ-45 Modular Jack)	10/100/1000 Mbit/s (M12 A-coding, 8-pin Socket)
	Ethernet (LAN2)	10/100/1000 Mbit/s (RJ-45 Modular Jack)	10/100/1000 Mbit/s (M12 A-coding, 8-pin Socket)
	USB	USB 3.0 x 2 (Type A)	USB 2.0 x 1 (M12 A-coding, 8-pin Socket)
	Video	HDMI x 1	-
	Audio	Line Out x 1	-
	Internal Expansion	Mini PCIe x 1	-

*1 For secondary storage only

General Specification

	PS-5811W	PS-5711W	PS-5821W
Model	Core i3 Model		
Rated Input Voltage	DC Power Model: 24 Vdc ±20 % When using AC power supply unit : 100 to 240 Vac *2		DC Power Model: 24 Vdc ±20 % (M12 A-coding, 8-pin Female)
Power Consumption	28 W (Max 60 W)	18 W (Max 60 W)	35 W (Max 60 W)
In-Rush Current	7 A		
Surrounding Air Temperature	When using SSD/CFast running : 0 to 50 °C [32 to 131 °F] When using HDD running : 0 to 45 °C [32 to 113 °F] When using 4G Cellular Module : 0 to 45 °C [32 to 113 °F]		
Storage Temperature	-20 to 60 °C [-4 to 140 °F]		
Ambient Humidity	10 to 95 % RH (Wet Bulb Temperature: 40 °C [104 °F] max. - No Condensation)		
Storage Humidity	10 to 95 % RH (Wet Bulb Temperature: 40 °C [104 °F] max. - No Condensation)		
Pollution Degree	For use in pollution degree 2 environment		
Air Pressure (Altitude Range)	2,000 m [6,560 ft] max.		
Vibration Resistance	Operation for products with SSD or CFast card storage device: 5 to 500 Hz: 2Grms Operation for products with HDD storage device: 5 to 500 Hz: 1Grms		
Concussion Resistance	IEC 60068-2-27 Ea Test		
Electromagnetic Compatibility (EMC)	Immunity to high frequency interference electromagnetic emissions class A		
Structure	IP66 front side of display		IP66 (All Around)
Installation Configuration	Panel Mounting		VESA Mounting
Cooling Method	Passive Heat Sink		
Weight Approx.	7.0 kg [15.44 lb]	6.0 kg [13.22 lb]	8 kg [17.63 lb]
External Dimensions	W488 x H309 x D56.7 mm [W19.21 x H12.17 x D2.23 in.]	W419.7 x H269 x D56.7 mm [W16.52 x H10.59 x D2.23 in.]	W488 x H309 x D65 mm [W19.21 x H12.17 x D2.56 in.]
Panel Cut Dimensions	W479.3 x H300.3mm [W18.87 x H11.82 in.]	W412.4 x H261.7 mm [W16.24 x H10.3 in.]	-

*2 For use at 100 to 240 Vac, an optional AC power supply unit (PFXZPSPUAC3) that is separately sold is required.

Slim Type <Atom Model>

PS5000 SERIES

Functional Specification

	PS-5701W	PS-5501W
Model	Atom Model	
Display Size	15.6"	10.1"
Display Aspect Ratio	16:9	
Display Colors	16.7 million	267,000
Backlight	LED Life Span > 50,000 h @ 25 °C [77 °F]	LED Life Span > 25,000 h @ 25 °C [77 °F]
Brightness Control	Step Less Adjustment	
Supported OS	Windows 7 Ultimate (64 bit) Windows Embedded Standard 7 (32 bit/64 bit) MUI Windows Embedded 8.1 Industry (64 bit) Windows 10 IoT Enterprise 2016 LTSC (64 bit) * Apply BAT Tool (Update patch) to use UWF (Unified Write Filter) with Windows 10 IoT Enterprise 2016 LTSC. https://www.pro-face.com/otasuke/download/ps/ps5000/update/bat_tool_uwf.htm	
CPU	Atom E3827, 1.75 GHz	
Main Memory	4 GB, DDR3L 1600 MHz, SO-DIMM SDRAM	
Storage Memory	HDD (500GB / 1TB) / SSD (256GB) x 2, CFast (16GB*1 / 32GB) x 1	
Graphics Accelerator	Intel HD Graphics	
Video Memory	Up to 2 GB ,Shared System Memory	
Graphics	FWXGA (1,366 x 768 Pixels)	WXGA (1,280 x 800 Pixels)
Touch Panel Type	Capacitive Multi-touch 5 Simultaneous Touch (Projected Capacitive)	
Touch Panel Resolution	4,096 x 4,096	
Interface	Serial (COM1) RS-232C (D-sub 9-pin, Plug)	
	Serial (COM2) RS-232C / 422 / 485 (D-sub 9-pin, Plug)	
	Ethernet (LAN1) 10/100/1000 Mbit/s (RJ-45 Modular Jack)	
	Ethernet (LAN2) 10/100/1000 Mbit/s (RJ-45 Modular Jack)	
	USB USB 3.0 x 1, USB 2.0 x 1 (Type A)	
	Internal Expansion Mini PCIe x 1	

*1 For secondary storage only

General Specification

	PS-5701W	PS-5501W
Model	Atom Model	
Rated Input Voltage	DC Power Model: 24 Vdc ±20 % When using AC power supply unit : 100 to 240 Vac *2	
Power Consumption	18 W (Max 30 W)	12 W (Max 24 W)
In-Rush Current	7.5 A	
Surrounding Air Temperature	When using SSD/CFast running : 0 to 55 °C [32 to 131 °F] When using HDD running : 0 to 45 °C [32 to 113 °F] When using 4G Cellular Module : 0 to 45 °C [32 to 113 °F]	
Storage Temperature	-20 to 60 °C [-4 to 140 °F]	
Ambient Humidity	10 to 95 % RH (Wet Bulb Temperature: 40 °C [104 °F] max. - No Condensation)	
Storage Humidity	10 to 95 % RH (Wet Bulb Temperature: 40 °C [104 °F] max. - No Condensation)	
Pollution Degree	For use in pollution degree 2 environment	
Air Pressure (Altitude Range)	2,000 m [6,560 ft] max.	
Vibration Resistance	Operation for products with SSD or CFast card storage device: 5 to 500 Hz: 2Grms Operation for products with HDD storage device: 5 to 500 Hz: 1Grms	
Concussion Resistance	IEC 60068-2-27 Ea Test	
Electromagnetic Compatibility (EMC)	Immunity to high frequency interference electromagnetic emissions class A	
Structure	IP66 front side of display	
Installation Configuration	Panel Mounting or VESA Mounting *3	
Cooling Method	Passive Heat Sink	
Weight Approx.	3.9 kg [8.6 lb]	2.5 kg [5.51 lb]
External Dimensions	W419.7 x H269 x D61.9 mm [W16.52 x H10.59 x D2.44 in.]	W283.1 x H202.3 x D61.3 mm [W11.15 x H7.96 x D2.41 in.]
Panel Cut Dimensions	W412.4 x H261.7 mm [W16.24 x H10.3 in.]	W274.6 x H193.8 mm [W10.81 x H7.63 in.]

*2 For use at 100 to 240 Vac, an optional AC power supply unit (PFXZPSPUAC2) that is separately sold is required.

*3 For VESA mounting, an optional VESA mounting kit (15.6": PFXZPSADVS152, 10.1": PFXZPSADVS102) that is separately sold is required.



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