SP5000 7” wide
vs GPS6000 10” wide Specification Comparison

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General

Specification Comparison

Spec-up
Difference

		PFXSP5400WAD		PFXGPS6540WCDI	Points to note when replacing
		PFXSP5B00	PFXSP5B10		
Display type		TFT color LCD			
Display size		7” wide		10.1” wide	
Resolution		800 x 480 pixels (WVGA)		1,024 x 600 pixels (WSVGA)	The resolution is different. Screen data may need to be adjusted in GP-Pro EX.
Display colors		262,144 colors		16 million colors	
Backlight		White LED (not replaceable)			
Backlight service life		50,000 hours or more (continuous operation at 25°C before backlight brightness decreases to 50%)		50,000 hours or more (continuous operation at 25°C before backlight brightness decreases to 25%)	
Touch panel type		Resistive film (analog, single touch)		Projected capacitive (PCAP) with optimized noise filter, two-point touch	Touch panel type is different.
Touch panel service life		1 million times or more		50 million times or more	
Memory	**Application memory**	FLASH EPROM 64MB	SD Card 64MB	eMMC Flash 128MB	
	Backup memory	NVRAM 320KB		NVRAM 320KB	
Battery (clock data backup)		No need to use battery, using supercapacitor (electric double-layer capacitor) for clock data backup.		Lithium metal battery (non-rechargeable battery, replaceable) Battery life: 3 years (approximate)	
Rated input voltage		12…24 Vdc		24 Vdc	Check that the existing power supply is 24 Vdc.
Power Consumption		24W or less	31.5W or less	10.9W or less	
Environmental Spec		Operating Temp: 0-60°C Storage Temp: -20-60°C		Operating Temp: 0-50°C Storage Temp: -20-60°C	Check that the operating environment is within 0 to 50°C.

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		PFXSP5B00	PFXSP5B10		
Serial Interface	COM1	RS-232C (D-Sub 9pin Plug)	RS-232C/422/485 (D-Sub 9pin Plug)	COM1 (RS-232C) COM2 (RS-422/485) Shared with one D-Sub 9pin Plug connector	Please refer to 2-6. Other Important notes on Hardware in this document
	COM2	RS-422/485 (D-Sub 9pin Plug)	RS-232C/422/485 (D-Sub 9pin Plug)		
Ethernet Interface		10BASE-T/100BASE-TX (RJ-45) x 2	10BASE-T/100BASE-TX/ 1000BASE-T (RJ-45) x 2	10BASE-T/100BASE-TX/ 1000BASE-T (RJ-45) x 2 *1*2	
SD Card Interface		SD Card Slot (Storage) x 1 (maximum 32GB SD/SDHC Card)	SD Card Slot (System) x 1 SD Card Slot (Storage) x 1 (maximum 32GB SD/SDHC Card)	SD card slot x 1 (SD/SDHC/SDXC, UHS-I supported) (Up to 1TB)	
USB Interface	Type-A	USB 2.0 x 2 - USB transfer cable (CA3-USBCB-01)		USB 2.0 (Type-A) x1	No screen data transfer via Type-A
	mini-B	USB 2.0 x 1 - USB transfer cable (ZC9USCBMB1)		-	USB I/F changed from USB mini-B to Type-C
	Type-C	-		USB 2.0 (Type-C)*3 x1 - Commercially available Type-C cable	
Expansion Unit Slot		-	Fieldbus Unit x1	-	SP5000 expansion unit cannot be used.
Sound Output		-	Yes	-	
AUX Output		-	Yes	-	
Structure		Front: IP66F, IP67F, Type 1, Type 4X (Indoor Use Only), Type 13 *On the front panel when properly installed in an enclosure.		Front: IP65, UL 50/50E, Type 1, Type 4X (indoor use only) enclosures Rear: IP20	
External dimensions		W203.6 x H148.6 x D67 mm (Display with Box Module)		W249 x H158.5 x D38 mm	The external dimensions are larger, but the panel cut dimensions are the same.
Panel cut dimensions		W190 x H135 mm			

*1 Only the ETH2 port supports 1000BASE-T communication. For 1000BASE-T communication, use twisted pair Ethernet cables with a rating of category 5e or higher. *2 The ETH2 port is disabled by default. This setting can be changed in the System Settings. *3 For transferring project files from the screen editing software via a commercially available USB Type-C to Type-A cable. This USB Type-C port does not provide power.

Standard Compatibility

*1 For the latest information, please refer to our website. Spec-up Difference

Certification	PFXSP5400WAD + PFXSP5B00 / PFXSP5B10	PFXGPS6540WCDI
CE (EN61000-6-4, EN61000-6-2, EN61131-2)	✓	✓
UKCA	✓	✓
UL/cUL (UL61010-2-201) (CSA C22.2 No.61010-2-201)	✓	✓
UL/cUL Class 1, Div. 2	✓	✓*1
ATEX (Zones 2/22, equipment category 3 Gas Dust)	✓	✓*1
IECEx (Zones 2/22, equipment category 3 Gas Dust)	✓	✓*1
UKEX	✓	✓*1
KCs	✓ (Except for PFXSP5B00)	✓*1
CCC-Ex	✓ (Except for PFXSP5B00)	✓*1
RCM (C-Tick)	✓	✓
EAC (GOST-R)	✓	-
RoHS for EU	✓	✓
RoHS for China	✓	✓
REACH	✓	✓
CCC *apply for CCC exemption	-	-
KC	✓	✓
Marine Certifications	✓ (ABS, BV, CCS, ClassNK, DNV, LR, RINA) (Except for PFXSP5B00)	-
WEEE	✓	✓

NOTE: The supported certifications differ between the models. Check the required certifications before replacement.