STM6000 1st Gen. (PFXST6*00WAD*) vs STM6000 2nd Gen. (PFXST6*00AWADI) Specification Comparison

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General

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Specification Comparison

Spec-up
Difference

		STM6000 1st Gen. (PFXSTM6*00WAD/PFXSTM6*00WADE)	STM6000 2nd Gen (PFXSTM6*00AWADI)	Notes
Display type		TFT color LCD		
Display size & Resolution		**4.3'' Wide** (480 x 272 WQVGA) ; **7.0'' Wide** (800 x 480 WVGA)		
Display colors		16 million colors		
Touch Panel type / service life		Single touch Resistive film (analog) / service life of 1 million times or more		
CPU		Single core	Multi core	
Backlight		White LED (not replaceable)		Backlight is not replaceable
Panel cut dimensions		22mm hole		
External dimensions		**4.3'' Wide** (145.6 x 108.2 x 53.9 mm) ; **7.0'' Wide** (201.2 x 137.2 x 57.7 mm) ; **Faceless BOX** (145.6 x 108.2 x 41.4 mm)		
Front material/ Enclosure material		PC		
Structure		IP65F, Type 1, Type 4X (indoor use only), Type 13 (on the front panel when properly installed in an enclosure)		
Memory	Device memory	1 GB	4 GB	Available capacity of each memory may vary as per software requirement.
	RAM	512 MB	1 GB	
	Backup memory	NVRAM 512 kB		
Battery (clock data backup)		Non-Replaceable battery / Primary battery for clock data backup (5 years or more at room temperature)		Battery is NOT user replaceable
Rated input voltage		DC 24V (19.2 to 28.8V DC)		
Power consumption		**4.3" wide**: 7.8W or less **7.0" wide**: 10.4W or less **Faceless Box:** 6.8W or less	**4.3" wide**: 8W or less **7.0" wide**: 10.6W or less **Faceless Box**: 7W or less	
Serial I/F	COM 1	RS-232C/485 (RJ-45) x1		Please refer to Interface compatibility in user manual for more details
Ethernet I/F		10BASE-T/100BASE-TX (RJ-45) x 2		
USB I/F	Type A	USB 2.0 x1		Available capacity of each memory may vary as per software requirement.
	Type micro-B	USB 2.0 x1		
Rated input voltage		DC 24V (19.2 to 28.8V DC)		

Standard Compatibility

Spec-up
Difference

Certifications	STM6000 1st Gen. (PFXSTM6*00WAD/PFXSTM6*00WADE)	STM6000 2nd Gen (PFXSTM6*00AWADI)
CE (EN61000-6-4, EN61000-6-2, EN61131-2)	✓	✓
UKCA	✓	✓
UL/cUL	✓ (UL61010-2-201, CSA C22.2 No.61010-2-201)	✓
RCM (C-Tick)	✓	✓
EAC (GOST-R)	✓	✓
RoHS for EU	✓	✓
RoHS for China	✓	✓
REACH	✓	✓
CCC *apply for CCC exemption	-	-
KC	✓	✓
UL/cUL Class 1, Div. 2	✓ (UL121201, CSA C22.2 No213)	-
ATEX (Zones 2/22, equipment category 3 Gas Dust)	-	-
IECEx (Zones 2/22, equipment category 3 Gas Dust)	-	-
UKEX	-	-
KCs	-	-
NEPSI → CCC-Ex	-	-
Marine (EU RO MR or Others)	DNV, ABS, BV	-
WEEE	✓	✓

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General

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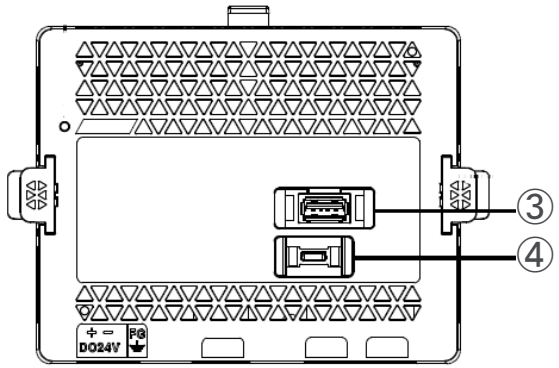
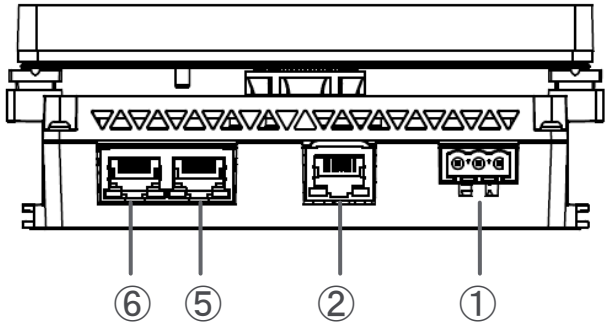
Interface Compatibility

STM6*00AWADI Back



STM6*00AWADI Bottom



	STM6000 1st Gen. (PFXSTM6*00WAD/PFXSTM6*00WADE)	STM6000 2nd Gen (PFXSTM6*00AWADI)
①	Power Connector (DC)	
②	Serial Interface (RJ-45)	
③	USB (Type A) Interface	
④	USB (micro-B) Interface	
⑤	Ethernet Interface (ETH1)	
⑥	Ethernet Interface (ETH2)	

NOTE: Please check Proface STM6000 User Manual for details such as interface specifications and pin assignments.

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