

# 1200XT Industrial Computers



Designed for extreme environments and hazardous locations

## XT: It's a System

The 1200XT Panel PC is a member of the Rockwell Automation extreme environment system, which includes control, communication and distributed I/O products.

The XT System uses the Integrated Architecture® Logix control engine with enhancements to meet the needs of extreme environment applications. This approach provides users with a complete control and information architecture, reducing integration and installation costs and providing users with the quality they have come to expect from Rockwell Automation. The extreme environment system protects your automation investment by sharing state-of-the-art, integrated control technologies across the architecture.

- *-20 °C to 70 °C (-4 °F to 158 °F) operating range (backside only)*
- *ATEX and IECEx certified*
- *UL Class I, Division 2 certified*
- *Fanless*



## An Industrial Computer Solution for Extreme Environments

The Allen-Bradley® 1200XT line of Industrial Computers joins the Rockwell Automation® XT Extreme Environment portfolio, meaning it can handle conditions down to -20° Celsius and up to 70° Celsius (-4° to 158° Fahrenheit) (backside only). In addition, the units provide ATEX, IECEx and UL certification for hazardous locations.

- Intel Dual Core i3, 2.1GHz processor
- 8GB RAM (16GB System Max)
- 128GB Solid State Hard Drive
- Windows 7 or Windows 10
- 2 Serial COM ports
- 2 Gigabit Ethernet ports
- Display port and DVI-D port
- 1 half length PCIe x1 slot
- 4 USB 3.0 ports
- External Compact Flash Type II card slot (supports up to 16 GB)

## Industries and Applications

Allen-Bradley 1200XT computers are suited for a wide variety of demanding applications, where heat, cold and hazardous gas and dust challenge equipment. These kinds of applications are encountered in a wide variety of industries:

- Chemical and Pharmaceutical
- Energy and Power Generation
- Mining and Metals
- Water / Wastewater
- Oil and Gas

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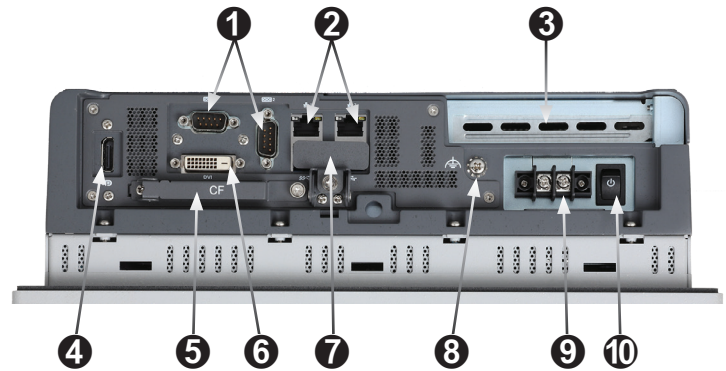
## Flexible Options

The 1200XT industrial computers are available with or without an integrated 12-inch touch screen display. This enables users the flexibility of either an integrated or two-piece solution. The accessible portion of displays models are rated to 55 °C (134 °F). The computers can be mounted in the same enclosure with a Logix-XT Controller without requiring additional heating and cooling equipment.

1200XT computers' memory, CompactFlash drives, and solid state drives (SSD) can be easily upgraded in the field. A wide range of connectivity options are provided. Several ports and connections are provided with guards and covers to enable the user to manage connections and switching in rated environments.

### Specifications

1200 XT Model	Integrated Display	Non-Display
Display Size	12.1-in. TFT display Resistive touch sunlight readable	No Display
Resolution	1024 x 768	
Display Brightness	700 cd/m <sup>2</sup>	
Bezel Type	Aluminum	
Processor Types	Intel Dual Core i3 - 5010U, 2.1GHz	
RAM	8 GB DDR3 installed (16 GB max)	
Storage Drive	128 GB Solid State Drive (SSD) 256 GB SSD Accessory available	
Expansion Slots	1 half-length PCIe x1	
Operating System	Windows 10 IoT Enterprise (64 bit) Windows 7 Professional (64 bit)	
Power	18-32V DC	
Mounting	Panel	Wall
Dimensions (H x W x D), approx. overall	279 x 349 x 101.2mm (10.98 x 13.74 x 3.98 in.)	251 x 353 x 83.4 mm (7.5 x 13.20 x 3.28 in.)
Shock operating	15 g (1/2 sine, 11 ms)	
Vibration, operating	0.012 in. p-p, (10...57 Hz); 2 g peak, (57...640 Hz)	
Certifications	cULus, IECEx, ATEX, CE, RCM, KC	
Ratings	UL Type 4, 4X and 12, IP66	



Item	Component	Item	Component
1	Serial COM ports, 2	6	DVI-D port
2	Ethernet ports (RJ-45), 2	7	Hinged door covering the USB 3.0 ports, 4
3	PCIe slot	8	Functional ground screw
4	Display port	9	DC input terminal block
5	External CompactFlash Type II card slot	10	Power switch

Catalog Number	Region	Class/Division/ Zone Rating	Temperature	IECEx/ATEX Certifications
Non-display: 6181X-00N2SW71DC 6181X-00N2SWX1DC	United States	Class I Division 2, Groups A, B, C, D T4	-20 °C ≤ T <sub>a</sub> ≤ 70 °C <sup>(1)</sup> (-4 °F < T <sub>a</sub> < 158 °F)	IEC60079-0 IEC60079-15 IECEX UL 17.0024X EN60079-0 EN60079-15
		Class I Zone 2, IIC, T4		
	Canada	Class I Division 2, Groups A, B, C, D T4		
		Class I Zone 2, IIC, T4		
Europe	ATEX II 3 G Ex nA IIC T4 Gc			
	Global/IECEx Ex nA IIC T4 Gc			
Display: 6181X-12ASW71DC 6181X-12ASWX1DC	United States	Class I Division 2, Groups A, B, C, D T4 Class II Division 2, Groups F and G Class III Division 1	-20 °C ≤ T <sub>a</sub> ≤ 55 °C (-4 °F < T <sub>a</sub> < 131 °F) (Display side)  -20 °C ≤ T <sub>a</sub> ≤ 70 °C (-4 °F < T <sub>a</sub> < 158 °F) (Backside) <sup>(1)</sup>	IEC60079-0 IEC60079-15 IEC60079-31 IECEX UL 17.0024X EN60079-0 EN60079-15 EN60079-31
		Class I Zone 2, IIC, T4		
	Canada	Class I Division 2, Groups A, B, C, D T4 Class II Division 2, Groups F and G Class III Division 1		
		Class I Zone 2, IIC, T4		
	Europe	ATEX II 3 G Ex nA nC IIC T4 Gc IP66 ATEX II 3 D Ex tc IIC 135C Dc IP66		
Global/IECEx	Ex nA nC IIC T4 Gc IP66, Ex tc IIC 135C Dc IP66			

(1) The entire non-display model and the backside of the display model are required to be mounted in a restricted access location.

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