

The new **XP500** panel PC
with capacitive multi-touch technology

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Setting a new standard for advanced intuitive HMI technology



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Welcome to a new era of process visualization

Eaton is expanding its comprehensive HMI portfolio in the high-end segment with its powerful XP500 industrial touch panel PCs: openness, sturdiness, intuitive ease of use all packed into a premium, slim design. These industrial capacitive multi-touch devices with

widescreen displays—with sizes of 10.1", 15.6", and 21.5"—are designed to overcome the expectations that come with a state-of-the-art, contemporary control concept for machine and system manufacturers.



The obvious choice for MOEM and plant engineers

Due to their compact design, which is made possible by fanless technology, XP500 devices take up a minimum of space. Also, their heavy-duty, scratch-resistant glass bezel and their open device design are two more reasons for their versatility in system and machine building environments.



Machine builders (MOEM)

XP500 panel PCs are designed for harsh industrial environments.

They can be connected to standard control systems via their two on-board Ethernet interfaces, as well as via one RS-485 and one RS-232 interface.



Manufacturing plants

The devices can be easily integrated thanks to the fully open PC design, high reliability, and flexible configurability provided by the Windows Embedded Standard 7 operating system.

Two independent Ethernet ports ensure that the devices can be fully integrated into networks.



Hazardous applications

The devices' front features an IP65/ NEMA 4X degree of protection, and the devices are UL Class I Div. 2 certified. This means that the panel PCs are suitable for use both in harsh industrial environments and in hazardous applications in process industries.

CE

cUL508

cUL Class I Div 2

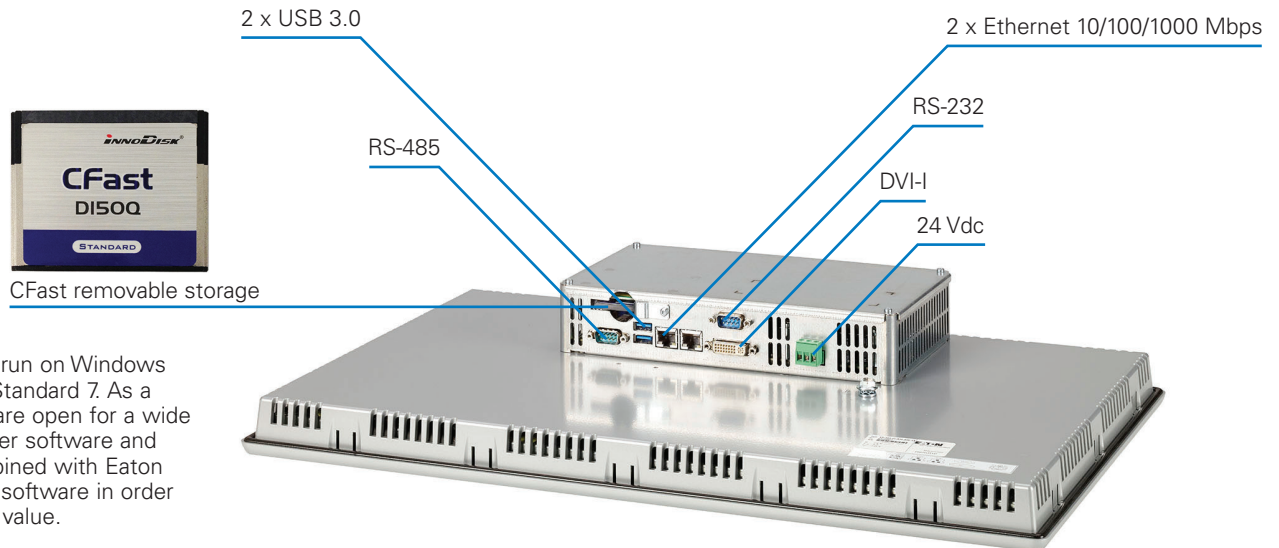
NEMA 4X

ATEX Zone 22

XP500—your connection to the future

The XP500 series makes a compelling case with its maximum degree of openness and outstanding performance parameters: The AMD 1.65 GHz dual core CPU with integrated Radeon HD graphics card guarantees high processing power and high-performance graphics.

Aside from two Ethernet and USB interfaces, the device features an RS-232 interface and an RS-485 interface. Also, a CFast removable memory card can be used for operation or for data in addition to the device's internal SSD.



The devices run on Windows Embedded Standard 7. As a result, they are open for a wide variety of user software and can be combined with Eaton visualization software in order to maximize value.

Lean solution powered by SmartWire-DT



SmartWire-DT® connects all machine sections: from the operating level; going through visualization devices, control devices, and main switches; all the way to sensors, motors, and actuators.

Lean automation: With SmartWire-DT, the controller's I/O layer is integrated into the corresponding switchgear, eliminating the need for gateways and I/O layers. The result: fewer components, less engineering efforts, greater flexibility.

Lean connectivity: SmartWire-DT replaces time-consuming and error-prone control wiring. Time saved during wiring, testing, and commissioning: up to 85%.

XP500

Ethernet



XC 152



RMQs



Switchgear



Technical data XP500



Model

10.1" - XP XP-503-10-A10-A00-1V

15.6" - XP-503-15-A10-A00-1V

21.5" - XP-503-21-A10-A00-1V

Display

Screen diagonal	10.1" widescreen	15.6" widescreen	21.5" widescreen
Resolution	1024 x 600 pixels	1366 x 768 pixels	1920 x 1080 pixels
Backlight	LED, dimmable via software		

Operation

Touch sensor	Multi-touch touchscreen (4 simultaneous touches)		
Technology	Projected Capacitive Touch (PCT)		

Enclosures

Front glass	Non-reflective tempered glass		
Bezel	Powder coated aluminum		
Device dimensions (w x h x d)	275 x 179 x 80 mm	404 x 255 x 80 mm	536 x 328 x 83 mm
Installation cutout (w x h)	261 x 164 mm	387 x 238 mm	519 x 313 mm
Weight	2.6 kg	4.8 kg	7.8 kg

System

Processor	AMD GX217GA 1.65 GHz DualCore		
Graphic	AMD Radeon HD8280E 450 MHz		
Memory	4GB DDR3-RAM		
Internal mass memory	Depends on the device model		
Removable memory	1 x CFast Slot, pre-populated with 4 GB CFast Memory Card		
Interfaces	2 x Ethernet 10/100/1000 Mbps 2 x USB 3.0 1 x RS-232 1 x RS-485 1 x DVI-I		
Power supply	24V DC		
Operating system	Windows Embedded Standard 7		

Environment

(in preparation)	UL®/cUL® Class I Div 2, Groups A, B, C, D, ATEX Zone 22		
Degree of protection	Front: IP65, NEMA® 4X (indoor), NEMA 12; Rear: IP20		
Operating temperature	0—+50°C		
Storage temperature	−20—+60°C		

XP500—tomorrow's operator controls today

Using multiple fingers to zoom, scroll, and swipe: It's about time that the gesture controls from which smartphones and tablets have long benefited came to the industrial world. In other words, it's about time we had intuitive multi-touch controls. That's where our new XP500 panel PCs come in, as they enable users to use function fields with multiple fingers, either with one hand or with both. Not only this, but elements, as well as documents from the integrated

Help system, can be scrolled through and zoomed into and out of as necessary with two fingers. Moreover, these panel PCs come with highly accurate and precise sensors, preventing accidental operating errors and machine starts. In fact, critical functions can only be activated by pressing multiple control fields at the same time, significantly enhancing system safety.



Eaton makes everything easier

Easy to take care of: hygienic design

The display's smooth, non-reflective tempered glass is part of a special low-maintenance design that includes a bezel without sharp edges. This makes it possible to clean the unit without leaving any residue, as well as to use strong cleaning agents if necessary.

Easy to protect: protect mode

XP500 devices, which run on Windows Embedded Standard 7, feature a Protect Mode™ that protects the system from unauthorized changes and access while increasing reliability. Moreover, their boot time has been minimized through use of embedded technologies and the internal Solid-state drive (SSD).

Easy to choose: bundles with Eaton HMI software

XP500—with SCADA software packages:

The powerful hardware means that you can order models with Eaton's powerful Visual Designer SCADA software pre-installed with the Visual Designer Runtime license.

XP500—Galileo open bundle:

Devices cost-effectively combined with Eaton's intuitive, easy-to-learn, and powerful Galileo HMI software. Device combined with Galileo Open Runtime license.

Eaton is dedicated to ensuring that reliable, efficient and safe power is available when it's needed most. With unparalleled knowledge of electrical power management across industries, experts at Eaton deliver customized, integrated solutions to solve our customers' most critical challenges.

Our focus is on delivering the right solution for the application. But, decision makers demand more than just innovative products. They turn to Eaton for an unwavering commitment to personal support that makes customer success a top priority. For more information, visit **www.eaton.com**

Eaton
1000 Eaton Boulevard
Cleveland, OH 44122
United States
Eaton.com

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