

eX210 Tech-Note

10.1" HMI, Capacitive Touchscreen,

2 Ethernet Ports, 1 CAN Port JMobile runtime

- 10.1" TFT color display, LED backlight
- 1280x800 pixels resolution, 16.7M colors
- · Capacitive Multitouch
- 64-bit CPU, 1.6 GHz
- 2 Ethernet ports
- CAN Port
- JMobile Studio programming
- CORVINA Remote Connectivity Option
- · CODESYS Control Option



Highlights

The HMIs of eX200 Series combine technical specification, features and performance that make them the ideal choice for edge devices where the requirements of applications in Industry 4.0 are the data control and the visualization.

The pSLC configuration of the flash memory is a great choice for long life applications that will write substantial amount of data over the life of the product. The power of the 64 bit processing platform running Linux and state-of-the-art cybersecurity design make these products great players in modern applications.

eX200 products, running JMobile software, offer great integration options in enterprise networks and cloud communication. When used in combination with services by CORVINA, remote connectivity and smart data sharing are available for optimal performance in smart factory applications.

eX210 Technical Data

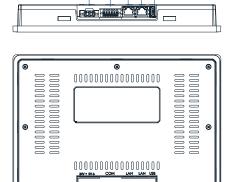




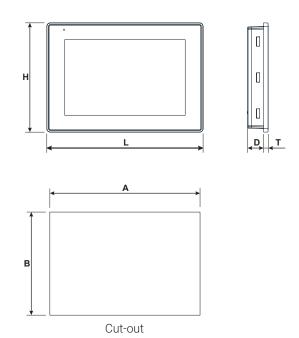


C		
System Resources	10.1% 16.7%	
Display - Colors	10.1" - 16.7M	
Resolution	1280x800	
Brightness	400 Cd/m² typ.	
Dimming	Yes	
Touchscreen	Projected Capacitive - Multitouch	
CPU	64-bit RISC quad core - 1.6GHz	
Operating System	Linux	
Flash	4 GB (pSLC mode - High reliability)	
RAM	2 GB	
FRAM	64 KB	
Real Time Clock	Yes	
RTC Back-up	Supercapacitor	
Interface		
Ethernet port	2 (10/100 Mbit)	
USB port	1 (Host v. 2.0, max. 500 mA)	
Serial port	1 (RS-232, RS-485, RS-422, software configurable)	
CAN port	1 (Isolated)	
Buzzer	Yes	
Indicator Light	1 (RGB LED)	
Ratings		
Power supply	24 Vdc (9 to 32 Vdc)	
Current Consumption	0.5 A max. at 24 Vdc	
Input Protection	Electronic	
Environment Conditions		
Operating Temperature	-20°C to +55°C (vertical installation)	
Storage Temperature	-30°C to +70°C	
Operating / Storage Humidity	5-85% RH, non condensing	
Protection Class	IP66 (front), IP20 (rear)	
Dimensions and Weights		
Faceplate LxH	282x197 mm (11.10x7.76")	
Cutout AxB	271x186 mm (10.67x7.32")	
Depth D+T	29+8 mm (1.14+0.31")	
Weight	1.3 Kg	
Approvals		
CE	Electromagnetic Compatibility Directive 2014/30/EU (EMC)	
UL*	cULus: UL61010-1 / UL61010-2-201	
RCM	Yes	

^{*} Roadmap 2024



- 1 Power Supply
- 2 Serial Port/CAN port
- 3 Ethernet Port
- 4 Ethernet Port
- 5 USB port (vers. 2.0-1.1)



Ordering Information

Model	Ordering Code	Part Number	Description
eX210	101006200U-0004-01	+EX210U501	10.1" HMI, Capacitive Touchscreen, 2 Ethernet Ports, 1 CAN Port, JMobile runtime