

eX207 Web Tech-Note

7" Web based HMI, Capacitive Touchscreen, 1 Ethernet Port

- 7" TFT color display, LED backlight
- 1024x600 pixels resolution, 16.7M colors
- Capacitive Multitouch
- 64-bit CPU, 1.6 GHz
- 1 Ethernet ports
- Web Browser
- CORVINA Remote Connectivity Option

Highlights

y - Option

The HMIs of eX200 Web Series combine top web browsing performance with 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.

HTML5 web application interfaces are used to display and interact with real time data. As a Web HMI, the eX200 series HMIs can easily display HTML5 data from multiple devices.

eX200 Web Series products 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.

eX207 Web Technical Data







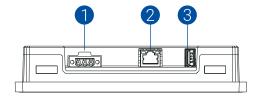
Display - Colors7" - 16.7MResolution1024x600Brightness400 Cd/m² tpc.DimmingYesTouchscreenProjected Capacitive - MultitouchCPU64-bit RISC quad core - 1.6GHzOperating SystemLinuxFlash4 GB (pSLC mode - High reliability)RAM2 GBReal Time ClockYesRTC Back-upSupercapacitorInterface1 (10/100 Mbit)USB port1 (16yt v. 2.0, max. 500 mA)BuzzerYesIndicator Light1 (RGB LED)RatingVersCurrent Consumption0.4 A max. at 24 VdcInput ProtectionElectronicEnvironment Conditions-20°C to +55°C (vertical installation)Operating Temperature-20°C to +55°C (vertical installation)Operating Temperature-30°C to +70°COperating Temperature-30°C to +70°COpera	System Resources	
Brightness400 Cd/m² typ.DimmingYesTouchscreenProjected Capacitive - MultitouchCPU64-bit RISC quad core - 1.6GHzOperating SystemLinuxFlash4 GB (pSLC mode - High reliability)RAM2 GBReal Time ClockYesRTC Back-upSupercapacitorInterface1 (10/100 Mbit)USB port1 (Host v. 2.0, max. 500 mA)BuzzerYesIndicator Light1 (RGB LED)Ratings	Display - Colors	7" - 16.7M
DimmingYesTouchscreenProjected Capacitive - MultitouchCPU64-bit RISC quad core - 1.6GHzOperating SystemLinuxElash4 GB (pSLC mode - High reliability)RAM2 GBReal Time ClockYesRTC Back-upSupercapacitorInterface1 (10/100 Mbit)USB port1 (10/100 Mbit)USB port1 (10/100 Mbit)BuzzerYesIndicator Light1 (RGB LED)RatingsPower supply24 Vdc (9 to 32 Vdc)Current Consumption0.4 A max. at 24 VdcInput ProtectionElectronicEnvironment Conditions	Resolution	1024x600
TouchscreenProjected Capacitive - MultitouchCPU64-bit RISC quad core - 1.6GHzOperating SystemLinuxFlash4 GB (pSLC mode - High reliability)RAM2 GBReal Time ClockYesRTC Back-upSupercapacitorInterfaceIEthernet port1 (10/100 Mbit)USB port1 (Host v. 2.0, max. 500 mA)BuzzerYesIndicator Light1 (RGB LED)RatingsPower supply24 Vdc (9 to 32 Vdc)Current Consumption0.4 A max. at 24 VdcInput ProtectionElectronicEnvironment ConditionsOperating Temperature-20°C to +55°C (vertical installation)Storage Temperature-30°C to +70°COperating / Storage Humidity5-85% RH, non condensingProtection ClassIP66 (front), IP20 (rear)Dimensions and Weights176x136 mm (6.93x5.35°)Cutout AxB176x136 mm (6.93x5.35°)Depth D+T29+8 mm (1.14+0.31°)Weight0.7 KgApprovalsElectromagnetic Compatibility Directive 2014/30/EU (EMC)UL*Culsus UL61010-1 / UL61010-2-201	Brightness	400 Cd/m ² typ.
CPU64-bit RISC quad core - 1.6GHzOperating SystemLinuxFlash4 GB (pSLC mode - High reliability)RAM2 GBReal Time ClockYesRTC Back-upSupercapacitorInterfaceInterfaceEthernet port1 (10/100 Mbit)USB port1 (Host v. 2.0, max. 500 mA)BuzzerYesRatingsYesPower supply24 Vdc (9 to 32 Vdc)Current Consumption0.4 A max. at 24 VdcInput ProtectionElectronicEnvironment Conditions-20°C to +55°C (vertical installation)Storage Temperature-20°C to +55°C (vertical installation)Storage Temperature-30°C to +70°COperating / Storage Humidity5-85% RH, non condensingProtection ClassIP66 (front), IP20 (rear)Dimensions and Weights176x136 mm (6.93x5.35°)Depth D+T29+8 mm (1.14+0.31°)Weight0.7 KgApprovalsElectromagnetic Compatibility Directive 2014/30/EU (EMC)UL*Electromagnetic Compatibility Directive 2014/30/EU (EMC)	Dimming	Yes
Comparating SystemLinuxFlash4 GB (pSLC mode - High reliability)RAM2 GBReal Time ClockYesRTC Back-upSupercapacitorInterfaceInterfaceEthernet port1 (10/100 Mbit)USB port1 (Host v. 2.0, max. 500 mA)BuzzerYesIndicator Light1 (RGB LED)Ratings	Touchscreen	Projected Capacitive - Multitouch
Flash4 GB (pSLC mode - High reliability)RAM2 GBReal Time ClockYesRTC Back-upSupercapacitorInterfaceEthernet port1 (10/100 Mbit)USB port1 (Host v. 2.0, max. 500 mA)BuzzerYesIndicator Light1 (RGB LED)RatingsPower supply24 Vdc (9 to 32 Vdc)Current Consumption0.4 A max. at 24 VdcInput ProtectionElectronicEnvironment Conditions-20°C to +55°C (vertical installation)Storage Temperature-30°C to 70°COperating Temperature-30°C to 70°COperating Vistorage Humidity585% RH, non condensingProtection ClassIP66 (front), IP20 (rear)Dimensions and Weights175x136 mm (6.93x5.35°)Depth D+T29+8 mm (1.14+0.31")Weight0.7 KgApprovalsElectromagnetic Compatibility Directive 2014/30/EU (EMC)UL*cultus: UL61010-1 / UL61010-2-201	CPU	64-bit RISC quad core - 1.6GHz
RAM2 GBReal Time ClockYesRTC Back-upSupercapacitorInterfaceEthernet port1 (10/100 Mbit)USB port1 (Host v. 2.0, max. 500 mA)BuzzerYesIndicator Light1 (RGB LED)RatingsPower supply24 Vdc (9 to 32 Vdc)Current Consumption0.4 A max. at 24 VdcInput ProtectionElectronicEnvironment ConditionsOperating / Storage Humidity5-85% RH, non condensingProtection ClassIP66 (front), IP20 (rear)Dimensions and Weights187x147 mm (7.36x5.79°)Cutout AxB176x136 mm (6.93x5.35″)Depth D+T29+8 mm (1.14+0.31″)Weight0.7 KgApprovalsElectronige Compatibility Directive 2014/30/EU (EMC)UL*culLus: UL61010-1 / UL61010-2-201	Operating System	Linux
Real Time ClockYesRTC Back-upSupercapacitorInterface1 (10/100 Mbit)Ethernet port1 (10/100 Mbit)USB port1 (Host v. 2.0, max. 500 mA)BuzzerYesIndicator Light1 (RGB LED)Ratings1 (RGB LED)Power supply24 Vdc (9 to 32 Vdc)Current Consumption0.4 A max. at 24 VdcInput ProtectionElectronicEnvironment Conditions-20°C to +55°C (vertical installation)Storage Temperature-30°C to +70°COperating Temperature-30°C to +70°COperating Storage Humidity5-85% RH, non condensingProtection ClassIP66 (front), IP20 (rear)Dimensions and Weights187x147 mm (7.36x5.79°)Cutout AxB176x136 mm (6.93x5.35°)Depth D+T29+8 mm (1.14+0.31°)Weight0.7 KgApprovalsElectromagnetic Compatibility Directive 2014/30/EU (EMC)UL*cultus: UL61010-1 / UL61010-2-201	Flash	4 GB (pSLC mode - High reliability)
Art C Back-upSupercapacitorInterfaceEthernet port1 (10/100 Mbit)USB port1 (Host v. 2.0, max. 500 mA)BuzzerYesIndicator Light1 (RGB LED)RatingsPower supply24 Vdc (9 to 32 Vdc)Current Consumption0.4 A max. at 24 VdcInput ProtectionElectronicEnvironment ConditionsOperating Temperature-20°C to +55°C (vertical installation)Storage Temperature-30°C to +70°COperating / Storage Humidity585% RH, non condensingProtection ClassIP66 (front), IP20 (rear)Dimensions and Weights187x147 mm (7.36x5.79°)Cutout AxB176x136 mm (6.93x5.35°)Depth D+T2948 mm (1.14+0.31°)Weight0.7 KgApprovalsElectromagnetic Compatibility Directive 2014/30/EU (EMC)UL*cultus: UL61010-1 / UL61010-2-201	RAM	2 GB
InterfaceEthernet port1 (10/100 Mbit)USB port1 (Host v. 2.0, max. 500 mA)BuzzerYesIndicator Light1 (RGB LED)RatingsPower supply24 Vdc (9 to 32 Vdc)Current Consumption0.4 A max. at 24 VdcInput ProtectionElectronicEnvironment ConditionsOperating Temperature-20°C to +55°C (vertical installation)Storage Temperature-30°C to +70°COperating / Storage Humidity5-85% RH, non condensingProtection ClassIP66 (front), IP20 (rear)Dimensions and Weights176x136 mm (6.93x5.35")Cutout AxB176x136 mm (6.93x5.35")Depth D+T294 8 mm (1.14+0.31")Weight0.7 KgApprovalsElectromagnetic Compatibility Directive 2014/30/EU (EMC)UL*culus: UL61010-1 / UL61010-2-201	Real Time Clock	Yes
Ethernet port1 (10/100 Mbit)USB port1 (Host v. 2.0, max. 500 mA)BuzzerYesIndicator Light1 (RGB LED)RatingsPower supply24 Vdc (9 to 32 Vdc)Current Consumption0.4 A max. at 24 VdcInput ProtectionElectronicEnvironment ConditionsOperating Temperature-20°C to +55°C (vertical installation)Storage Temperature-30°C to 70°COperating J Storage Humidity5-85% RH, non condensingProtection ClassIP66 (front), IP20 (rear)Dimensions and Weights176x136 mm (6.93x5.35")Cutout AxB176x136 mm (6.93x5.35")Depth D+T29+8 mm (1.14+0.31")Weight0.7 KgApprovalsElectromagnetic Compatibility Directive 2014/30/EU (EMC)UL*Electromagnetic Compatibility Directive 2014/30/EU (EMC)	RTC Back-up	Supercapacitor
USB port1 (Host v. 2.0, max. 500 mA)BuzzerYesIndicator Light1 (RGB LED)RatingsPower supply24 Vdc (9 to 32 Vdc)Current Consumption0.4 A max. at 24 VdcInput ProtectionElectronicEnvironment ConditionsOperating Temperature-20°C to +55°C (vertical installation)Storage Temperature-30°C to 70°COperating / Storage Humidity5-85% RH, non condensingProtection ClassIP66 (front), IP20 (rear)Dimensions and Weights176x136 mm (6.93x5.35")Cutout AxB176x136 mm (6.93x5.35")Depth D+T29+8 mm (1.14+0.31")Weight0.7 KgApprovalsElectromagnetic Compatibility Directive 2014/30/EU (EMC)UL*Electromagnetic Compatibility Directive 2014/30/EU (EMC)	Interface	
BuzzerYesIndicator Light1 (RGB LED)RatingsPower supply24 Vdc (9 to 32 Vdc)Current Consumption0.4 A max. at 24 VdcInput ProtectionElectronicEnvironment ConditionsOperating Temperature-20°C to +55°C (vertical installation)Storage Temperature-30°C to 70°COperating / Storage Humidity5-85% RH, non condensingProtection ClassIP66 (front), IP20 (rear)Dimensions and Weights176x136 mm (6.93x5.35")Cutout AxB176x136 mm (6.93x5.35")Depth D+T29+8 mm (1.14+0.31")Weight0.7 KgApprovalsElectromagnetic Compatibility Directive 2014/30/EU (EMC)UL*culuus: UL61010-1 / UL61010-2-201	Ethernet port	1 (10/100 Mbit)
Indicator Light1 (RGB LED)RatingsPower supply24 Vdc (9 to 32 Vdc)Current Consumption0.4 A max. at 24 VdcInput ProtectionElectronicEnvironment ConditionsOperating Temperature-20°C to +55°C (vertical installation)Storage Temperature-30°C to +70°COperating / Storage Humidity5-85% RH, non condensingProtection Class187x147 mm (7.36x5.79")Cutout AxB176x136 mm (6.93x5.35")Depth D+T29+8 mm (1.14+0.31")Weight0.7 KgApprovalsElectromagnetic Compatibility Directive 2014/30/EU (EMC)UL*culuus: UL61010-1 / UL61010-2-201	USB port	1 (Host v. 2.0, max. 500 mA)
RatingsPower supply24 Vdc (9 to 32 Vdc)Current Consumption0.4 A max. at 24 VdcInput ProtectionElectronicEnvironment Conditions-20°C to +55°C (vertical installation)Operating Temperature-30°C to +70°COperating / Storage Humidity5-85% RH, non condensingProtection ClassIP66 (front), IP20 (rear)Dimensions and Weights187x147 mm (7.36x5.79")Cutout AxB176x136 mm (6.93x5.35")Depth D+T29+8 mm (1.14+0.31")Weight0.7 KgApprovalsElectromagnetic Compatibility Directive 2014/30/EU (EMC)UL*cutus: UL61010-1 / UL61010-2-201	Buzzer	Yes
Power supply24 Vdc (9 to 32 Vdc)Current Consumption0.4 A max. at 24 VdcInput ProtectionElectronicEnvironment Conditions-20°C to +55°C (vertical installation)Operating Temperature-30°C to +70°COperating / Storage Humidity5-85% RH, non condensingProtection ClassIP66 (front), IP20 (rear)Dimensions and Weights187x147 mm (7.36x5.79")Cutout AxB176x136 mm (6.93x5.35")Depth D+T29+8 mm (1.14+0.31")Weight0.7 KgApprovalsElectromagnetic Compatibility Directive 2014/30/EU (EMC)UL*cutus: UL61010-1 / UL61010-2-201	Indicator Light	1 (RGB LED)
Current Consumption0.4 A max. at 24 VdcInput ProtectionElectronicEnvironment Conditions-20°C to +55°C (vertical installation)Operating Temperature-20°C to +55°C (vertical installation)Storage Temperature-30°C to +70°COperating / Storage Humidity5-85% RH, non condensingProtection ClassIP66 (front), IP20 (rear)Dimensions and Weights187x147 mm (7.36x5.79")Cutout AxB176x136 mm (6.93x5.35")Depth D+T29+8 mm (1.14+0.31")Weight0.7 KgApprovalsElectromagnetic Compatibility Directive 2014/30/EU (EMC)UL*cULus: UL61010-1 / UL61010-2-201	Ratings	
Input ProtectionElectronicEnvironment ConditionsOperating Temperature-20°C to +55°C (vertical installation)Storage Temperature-30°C to +70°COperating / Storage Humidity5-85% RH, non condensingProtection ClassIP66 (front), IP20 (rear)Dimensions and Weights187x147 mm (7.36x5.79")Cutout AxB176x136 mm (6.93x5.35")Depth D+T29+8 mm (1.14+0.31")Weight0.7 KgApprovalsElectromagnetic Compatibility Directive 2014/30/EU (EMC)UL*cuLus: UL61010-1 / UL61010-2-201	Power supply	24 Vdc (9 to 32 Vdc)
Environment ConditionsOperating Temperature-20°C to +55°C (vertical installation)Storage Temperature-30°C to +70°COperating / Storage Humidity5-85% RH, non condensingProtection ClassIP66 (front), IP20 (rear)Dimensions and WeightsFaceplate LxH187x147 mm (7.36x5.79")Cutout AxB176x136 mm (6.93x5.35")Depth D+T29+8 mm (1.14+0.31")Weight0.7 KgApprovalsCEElectromagnetic Compatibility Directive 2014/30/EU (EMC)UL*cULus: UL61010-1 / UL61010-2-201	Current Consumption	0.4 A max. at 24 Vdc
Operating Temperature-20°C to +55°C (vertical installation)Storage Temperature-30°C to +70°COperating / Storage Humidity5-85% RH, non condensingProtection ClassIP66 (front), IP20 (rear)Dimensions and Weights	•	Electronic
Storage Temperature-30°C to +70°COperating / Storage Humidity5-85% RH, non condensingProtection ClassIP66 (front), IP20 (rear)Dimensions and WeightsFaceplate LxH187x147 mm (7.36x5.79")Cutout AxB176x136 mm (6.93x5.35")Depth D+T29+8 mm (1.14+0.31")Weight0.7 KgApprovalsCEElectromagnetic Compatibility Directive 2014/30/EU (EMC)UL*cULus: UL61010-1 / UL61010-2-201		
Operating / Storage Humidity5-85% RH, non condensingProtection ClassIP66 (front), IP20 (rear)Dimensions and WeightsFaceplate LxH187x147 mm (7.36x5.79")Cutout AxB176x136 mm (6.93x5.35")Depth D+T29+8 mm (1.14+0.31")Weight0.7 KgApprovalsCEElectromagnetic Compatibility Directive 2014/30/EU (EMC)UL*cULus: UL61010-1 / UL61010-2-201		
Protection Class IP66 (front), IP20 (rear) Dimensions and Weights I87x147 mm (7.36x5.79") Faceplate LxH 187x147 mm (7.36x5.79") Cutout AxB 176x136 mm (6.93x5.35") Depth D+T 29+8 mm (1.14+0.31") Weight 0.7 Kg Approvals Electromagnetic Compatibility Directive 2014/30/EU (EMC) UL* cULus: UL61010-1 / UL61010-2-201	5 .	
Dimensions and Weights Faceplate LxH 187x147 mm (7.36x5.79") Cutout AxB 176x136 mm (6.93x5.35") Depth D+T 29+8 mm (1.14+0.31") Weight 0.7 Kg Approvals Electromagnetic Compatibility Directive 2014/30/EU (EMC) UL* cULus: UL61010-1 / UL61010-2-201	, , , ,	
Faceplate LxH 187x147 mm (7.36x5.79") Cutout AxB 176x136 mm (6.93x5.35") Depth D+T 29+8 mm (1.14+0.31") Weight 0.7 Kg Approvals Electromagnetic Compatibility Directive 2014/30/EU (EMC) UL* cULus: UL61010-1 / UL61010-2-201		IP66 (front), IP20 (rear)
Cutout AxB 176x136 mm (6.93x5.35") Depth D+T 29+8 mm (1.14+0.31") Weight 0.7 Kg Approvals Electromagnetic Compatibility Directive 2014/30/EU (EMC) UL* cULus: UL61010-1 / UL61010-2-201	3	
Depth D+T29+8 mm (1.14+0.31")Weight0.7 KgApprovalsElectromagnetic Compatibility Directive 2014/30/EU (EMC)UL*cULus: UL61010-1 / UL61010-2-201	•	
Weight 0.7 Kg Approvals Electromagnetic Compatibility Directive 2014/30/EU (EMC) UL* cULus: UL61010-1 / UL61010-2-201		
Approvals Electromagnetic Compatibility Directive 2014/30/EU (EMC) UL* cULus: UL61010-1 / UL61010-2-201		
CE Electromagnetic Compatibility Directive 2014/30/EU (EMC) UL* cULus: UL61010-1 / UL61010-2-201		0.7 Kg
UL* cULus: UL61010-1 / UL61010-2-201		
RCM Yes		
	RCM	Yes

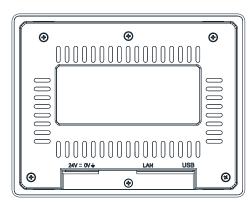
L

Α

Cut-out

* Roadmap 2024





1 Power Supply

- 2 3 Ethernet Port
- USB port (vers. 2.0-1.1)

Ordering Information

Model	Ordering Code	Part Number	Description
eX207 Web	101006200U-0003-01	+EX207U50W	7" Web based HMI, Capacitive Touchscreen, 1 Ethernet Port.

н

В

ptn0763 - Version 1.0

D

т