

# eX707M | Web HMI - Tech Note

#### Web HMI 7" TFT 800x480, PCAP Touch, 3x Ethernet, Web browser

- Chromium based HTML5 Browser
- Easy to use browser setting application
- 7" TFT color display, resolution 800x480 pixel
- Dimmable LED backlight
- Projected capacitive touchscreen. True glass design.
- Multitouch operation
- Operating Temperature -20°C to +60°C
- IECEx, ATEX, DNV-GL, cULus, cULus: Class 1 Div 2







## Highlights

eX700M Web HMI products combine state-of-the-art connectivity features and top browsing performance in a great design. They are the ideal choice for all demanding IoT edge applications in factory, marine and building automation where powerful and performing HTML5 web browser is needed.

The glass projected capacitive touchscreen and the brilliant 7 inch widescreen display with resolution of 800x480 guarantee great optical performance; with the support of multitouch gesture programming they can create the most natural human interfaces.

eX700M Web HMI products include a Chromium based HTML5 browser supporting kiosk mode operation. Supports Corvina Cloud secure connectivity with full network separation.

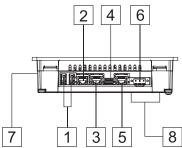
# eX707M Web HMI - Technical Data



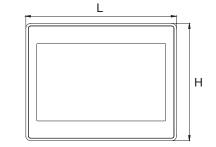


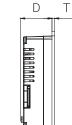


Display - Colors7" TFT 16.9 LED - 16MResolution800x480 WVGABrightness500 d/m2DimmingYesTouchscreenTrue Glass Projected Capacitive, MultitouchCPU64-bit RISC guad core - 1.6 GHzOperating SystemLinuxFlash8 GBRAM2 GBFRAM64 kBRT-Clock, RTCBack-up, BuzzerYesInterface1 (RS-232, RS-485, RS-422, software configurable), Max 3 serial portsUBB port2 (Host V2.0, max. 500 mA)Serial port2 slot for plug in modules.So cardYesExpansion2 slot for plug in modulesRatings-Power supply24 Vdc (10 to 32 Vdc)Current Consumption0.7 A at 24 Vdc (max.)Input ProtectionElectronicBatteryRechargeable Lithium battery, not user-replaceableEnvironment Conditions-Operating Temperature-20° to 460 °C (vertical installation). Plug-in and USB devices may limit max temperature to +50 °CStorage Temperature-20° to 16 °C (vertical installation). Plug-in and USB devices may limit max temperature to +50 °COperating / Storage HumidityF385, RH, non condensingProtection ClassIP66 (front), IP20 (rear) - Type: 12, 4XDimensions and WeightsT5K 36Faceplate LXH187x147 mm (7.36x5.79)Cutout AvB176x36 RHOperating / Storage HumidityF385, RH, non condensingProtection ClassIP66 (front), IP20 (rear) - Type: 12, 4XDimensions and Weights<	System Resources	
Brightness500 cd/m2DimmingYesTrue Glass Projected Capacitive, MultitouchCPU64-bit RISC quad core - 1.6 GHzOperating SystemLinuxFlash8 GBRAM2 GBFRAM64 KBRT-Clock, RTCBack-up, BuzzerYesInterfaceInterfaceEthernet port3 (port 0 - 10/100/1000, port 1 - 10/100, port 2 - 10/100)USB port2 (Host V2.0, max. 500 mA)Serial port1 (RS-323, RS-485, RS-422, software configurable). Max 3 serial portsusing plug-in modules.SD cardSp cardYesExpansion2 slot for plug in modulesRatingsPower supplyPower supply24 Vdc (10 to 32 Vdc)Current Consumption0.7 A at 24 Vdc (max.)Input ProtectionElectronicBatteryRechargeable Lithium battery, not user-replaceableEnvironment Conditions-20° to +60 °C (vertical installation). Plug-in and USB devices may limit max temperature to +50 °CStorage Temperature-20° to +60 °C (vertical installation). Plug-in and USB devices may limit max temperature to +50 °COperating Storage Humidity5 85% RH, non condensingProtection ClassIP66 (front), IP20 (rear) - Type: 12, 4XDimensions and Weights15 KgPaceplate LxH187x147 mm (7.36x5.79°)Cutout AxB176x136 mm (6.39x5.35)Depth D+T47+8 mm (1.85+0.31°)Weight1.5 KgApprovalsCore ≤ 222: 11 3 G Ex eo lil CT5T4 Gc, Ex to lil CT95°C DcCEElec	Display - Colors	7" TFT 16:9 LED - 16M
DimmingYesTouchscreenTrue Glass Projected Capacitive, MultitouchCPU64-bit RISC quad core - 1.6 GHzOperating SystemLinuxFlash8 GBRAM2 GBFRAM64 KBRTCBack-up, BuzzerYesInterfaceEthernet portEthernet port3 (port 0 - 10/100/1000, port 1 - 10/100, port 2 - 10/100)USB port2 (Host V2.0, max. 500 mA)Serial port1 (RS-323, RS-485, RS-422, software configurable). Max 3 serial portsusing plug-in modules.SD cardYesYesExpansion2 slot for plug in modulesPower supply24 Vdc (10 to 32 Vdc)Current Consumption0.7 A at 24 Vdc (max.)Input ProtectionElectronicBatteryRechargeable Lithium battery, not user-replaceableEnvironment Conditions-20° to +60 °C (vertical installation). Plug-in and USB devices may limit max temperature to +50 °COperating Temperature-20° to to +70°COperating / Storage Humidity5-85% RH, non condensing Protection ClassIP66 (front), IP20 (rear) - Type: 12, 4XDimensions and WeightsFaceplate LXH187x147 mm (7.36x5.79)Cutout AxB17x136 mm (6.39x5.35')Depth D+T47+8 mm (1.85+0.31')Weight1.5 KgApprovalsCEElectronic Campatibility Directive 2014/30/EU (EMC)CD20° c 3 ramb s+60°C or 0° c 3 ramb s+450°CCEElectronic Campatibility Directive 2014/30/EU (EMC)AprovalsCone 2/22: 18	Resolution	800x480 WVGA
TouchscreenTrue Glass Projected Capacitive, MultitouchCPU64-bit RISC quad core - 1.6 GHzOperating SystemLinuxFlash8 GBRAM2 GBFRAM64 KBRTClock, RTCBack-up, BuzzerYesInterfaceEthernet port2 (Host V2.0, max. 500 mA)Serial port2 slot for plug in modules.SD cardYesExpansion2 slot for plug in modulesRatings0.7 A at 24 Vdc (10 to 32 Vdc)Ourrent Consumption0.7 A at 24 Vdc (max.)Input ProtectionElectronicBatteryRechargeable Lithium battery, not user-replaceableEnvironment Conditions-20° to 640 °C (vertical installation). Plug-in and USB devices mayUmerstorge Temperature-20° to 770°Operating Temperature-20° to 770°Operating / Storage Humidity585% RH, non condensingProtection ClassIP66 (front). IP20 (rear) - Type: 12, 4XDimensions and Weights176x136 mm (6.93x6.35)Papth D+T47+8 mm (1.85+0.31')Weight1.5 KgApprovalsCECEElectromagnetic Compatibility Directive 2014/30/EU (EMC)ApprovalsCore 2/22: II 3 G Ex cell IC T5T4 Ge, II 3 D Ex to IIC T95°C Dc-20° C s Tamb s +60°C or 0°C s Tamb s +50°CULULus: UL61010-1 / UL61010-2.01 <td>Brightness</td> <td>500 cd/m2</td>	Brightness	500 cd/m2
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Flash8 GBRAM2 GBFRAM64 KBFT-Clock, RTCBack up, BuzzerYesInterface1Ethernet port3 (port 0 - 10/100/1000, port 1 - 10/100, port 2 - 10/100)USB port2 (Host V2.0, max. 500 mA)Serial port1 (RS-232, RS-485, RS-422, software configurable). Max 3 serial portsusing plug-in modules.SD cardYesExpansion2 slot for plug in modulesRatingsPower supply24 Vdc (10 to 32 Vdc)Current Consumption0.7 A at 24 Vdc (max.)Input ProtectionBatteryRechargeable Lithium battery, not user-replaceableEnvironment ConditionsOperating Temperature-20° to +60 °C (vertical installation). Plug-in and USB devices maylimit max temperature to +50 °CStorage Temperature-20° to +70°COperating / Storage Humidity5 = 58% RH, non condensingProtection ClassIP66 (front), IP20 (rear) - Type: 12, 4XDimensions and WeightsFaceplate LxH187x147 mm (7.36x5.79°)Cutout AxBCECeCeCeCeCeCeCeCeCinc 2/22: II 3 G Ex ce IIC T5T4 Gc, Bt 10 Ex to IIIC T95°C Dc-20°C s Tamb s +60°C or 0°C s Tamb s +50°CULULULULULULULVULVULVUL	CPU	64-bit RISC quad core - 1.6 GHz
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FRAM64 KBRTCBack-up, BuzzerYesInterfaceEthernet port3 (port 0 - 10/100/1000, port 1 - 10/100, port 2 - 10/100)USB port2 (Host V2.0, max. 500 mA)Serial port1 (RS-232, RS-485, RS-422, software configurable). Max 3 serial ports using plug-in modules.SD cardYesExpansion2 slot for plug in modulesRatings	Flash	8 GB
RT-Clock, RTCBack-up, BuzzerYesInterfaceEthernet port3 (port 0 - 10/100/1000, port 1 - 10/100, port 2 - 10/100)USB port2 (Host V2.0, max. 500 mA)Serial port1 (RS-232, RS-485, RS-422, software configurable). Max 3 serial portsusing plug-in modules.SD cardSD cardYesExpansion2 slot for plug in modulesRatingsPower supplyOurret Consumption0.7 A at 24 Vdc (not 32 Vdc)Curret Consumption0.7 A at 24 Vdc (max.)Input ProtectionElectronicBatteryRechargeable Lithium battery, not user-replaceableEnvironment Conditions-20° to +60 °C (vertical installation). Plug-in and USB devices may limit max temperature to +50 °COperating Temperature-20° to to +70° COperating / Storage Humidity5-85% RH, non condensing Protection ClassProtection ClassIP66 (front), IP20 (rear) - Type: 12, 4XDimensions and Weights15KgFaceplate LxH187x147 mm (7.36x5.79')Cutout AxB176x136 mm (6.93x5.35')Dept hD+T47+8 mm (1.85+0.31')Weight1.5 KgApprovalsCEElectromagnetic Compatibility Directive 2014/30/EU (EMC) 200° c Tamb s +60°CATEXZone 2/22: IS G ex ec IIC T5T4 Ge, II 3 D Ex to IIIC T95°C Dc -20°C c Tamb s +60°C or 0°C s Tamb s +60°CULULLULG1010-1/ ULG1010-2-201ULULus: Class 1 Div 2DNVYes	RAM	2 GB
InterfaceEthernet port3 (port 0 - 10/100/1000, port 1 - 10/100, port 2 - 10/100)USB port2 (Host V2.0, max. 500 mA)Serial port1 (RS-232, RS-485, RS-422, software configurable). Max 3 serial portsusing plug-in modules.SD cardYesExpansion2 slot for plug in modulesRatingsPower supply24 Vdc (10 to 32 Vdc)Current Consumption0.7 A at 24 Vdc (max.)Input ProtectionElectronicBatteryRechargeable Lithium battery, not user-replaceableEnvironment Conditions-20° to +60 °C (vertical installation). Plug-in and USB devices may limit max temperature to +50 °COperating Temperature-20° to +60 °C (vertical installation). Plug-in and USB devices may limit max temperature to +50 °CStorage Temperature-20° to t60 °C (vertical installation). Plug-in and USB devices may limit max temperature to +50 °CStorage Temperature-20° to 10° (cerar) - Type: 12, 4XDimensions and Weights5-85% RH, non condensing Protection ClassFaceplate LxH187x147 mm (7.36x5.79')Cutu t AxB176x136 mm (6.93x5.35')Depth D+T47+8 mm (1.85+0.31'') WeightCEElectromagnetic Compatibility Directive 2014/30/EU (EMC) Zone 2/22: II 3 G Ex ec IIC T5T4 Gc, II 3 D Ex to IIIC T95°C Dc -20°C ≤ Tamb ≤ +60°C or 0°C ≤ Tamb ≤ +50°CIECExZone 2/22: II 3 G Ex ec IIC T5T4 Gc, Ex to IIIC T95°C Dc -20°C ≤ Tamb ≤ +60°C or 0°C ≤ Tamb ≤ +50°CULULLcULus: UL61010-1 / UL61010-2·201ULcULus: Class 1 Div 2DNVYes <td>FRAM</td> <td>64 KB</td>	FRAM	64 KB
Ethernet port3 (port 0 - 10/100/1000, port 1 - 10/100, port 2 - 10/100)USB port2 (Host V2.0, max. 500 mA)Serial port1 (RS-232, RS-485, RS-422, software configurable). Max 3 serial ports using plug-in modules.SD cardYesExpansion2 slot for plug in modulesRatings	RT-Clock, RTCBack-up, Buzzer	Yes
USB port2 (Host V2.0, max. 500 mA)Serial port1 (RS-232, RS-485, RS-422, software configurable). Max 3 serial ports using plug-in modules.SD cardYesExpansion2 slot for plug in modulesRatings $(10 to 32 Vdc)$ Power supply24 Vdc (10 to 32 Vdc)Current Consumption0.7 A at 24 Vdc (max.)Input ProtectionElectronicBatteryRechargeable Lithium battery, not user-replaceableEnvironment Conditions $-20^{\circ}$ to +60 °C (vertical installation). Plug-in and USB devices may limit max temperature to +50 °COperating Temperature $-20^{\circ}$ to +60 °C (vertical installation). Plug-in and USB devices may limit max temperature to +50 °COperating Temperature $-20^{\circ}$ to +60 °C (vertical installation). Plug-in and USB devices may limit max temperature to +50 °COperating Temperature $-20^{\circ}$ to +60 °C (vertical installation). Plug-in and USB devices may limit max temperature to +50 °COperating Temperature $-20^{\circ}$ to +70 °COperating / Storage Humidity $5-85\%$ RH, non condensing IPFOECtion ClassProtection ClassIP66 (front), IP20 (rear) - Type: 12, 4XDimensions and Weights $176x136 mm (6.93x5.35^{\circ})$ Depth D+T $47+8 mm (1.85+0.31")$ Weight $1.5 \text{ kg}$ Approvals $20^{\circ}$ C < armb s +60°C or 0° C < armb s + 50°C	Interface	
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Expansion2 slot for plug in modulesRatings2Power supply24 Vdc (10 to 32 Vdc)Current Consumption0.7 A at 24 Vdc (max.)Input ProtectionElectronicBatteryRechargeable Lithium battery, not user-replaceableEnvironment Conditions $-20^{\circ}$ to +60 °C (vertical installation). Plug-in and USB devices may limit max temperature to +50 °COperating Temperature $-20^{\circ}$ C to +70°COperating / Storage Humidity5-85% RH, non condensing IP66 (front), IP20 (rear) - Type: 12, 4XDimensions and WeightsTofx136 mm (6.93x5.35")Faceplate LxH187x147 mm (7.36x5.79")Cutout AxB176x136 mm (8.93x5.35")Depth D+T47+8 mm (1.85+0.31")Weight1.5 KgApprovalsCECEElectromagnetic Compatibility Directive 2014/30/EU (EMC)Zone 2/22: II 3 G E xe cl IIC T5T4 Gc, II 3 D Ex tc IIIC T95°C Dc -20°C < Tamb s +60°C or 0°C < Tamb s +50°C	Serial port	
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Power supply24 Vdc (10 to 32 Vdc)Current Consumption0.7 A at 24 Vdc (max.)Input ProtectionElectronicBatteryRechargeable Lithium battery, not user-replaceableEnvironment Conditions-20° to +60 °C (vertical installation). Plug-in and USB devices may limit max temperature to +50 °COperating Temperature-20° to +60 °C (vertical installation). Plug-in and USB devices may limit max temperature to +50 °CStorage Temperature-20° to +70°COperating / Storage Humidity5-85% RH, non condensing Protection ClassProtection ClassIP66 (front), IP20 (rear) - Type: 12, 4XDimensions and Weights-Faceplate LxH187x147 mm (7.36x5.79")Cutout AxB176x136 mm (6.93x5.35")Depth D+T47+8 mm (1.85+0.31")Weight1.5 KgApprovals-CEElectromagnetic Compatibility Directive 2014/30/EU (EMC)ATEXZone 2/22: II 3 G Ex ec IIC T5T4 Gc, II 3 D Ex tc IIIC T95°C Dc -20°C ≤ Tamb s +60°C or 0°C < Tamb s +50°C	Expansion	2 slot for plug in modules
Current Consumption $0.7 \text{ A}$ at 24 Vdc (max.)Input ProtectionElectronicBatteryRechargeable Lithium battery, not user-replaceableEnvironment Conditions $-20^{\circ}$ to +60 °C (vertical installation). Plug-in and USB devices may limit max temperature to +50 °COperating Temperature $-20^{\circ}$ co +60 °C (vertical installation). Plug-in and USB devices may limit max temperature to +50 °CStorage Temperature $-20^{\circ}$ co +70 °COperating / Storage Humidity $5-85\%$ RH, non condensing Protection ClassProtection ClassIP66 (front), IP20 (rear) - Type: 12, 4XDimensions and Weights $-20^{\circ}$ to $+70^{\circ}$ CFaceplate LxH $187x147 \text{ mm} (7.36x5.79")$ Cutout AxB $176x136 \text{ mm} (6.93x5.35")$ Depth D+T $47+8 \text{ mm} (1.85+0.31")$ Weight $1.5 \text{ Kg}$ Approvals $20^{\circ}$ C $-20^{\circ}$ c $-3mb s + 60^{\circ}$ C or $0^{\circ}$ c $-3mb s + 50^{\circ}$ CIECEx $20 \text{ cc} 2 \text{ ramb } s + 60^{\circ} \text{ cor } 0^{\circ} c s Tamb s + 50^{\circ}$ CULcULus: UL61010-1 / UL61010-2-201ULcULus: Class 1 Div 2DNVYes	Ratings	
Input ProtectionElectronicBatteryRechargeable Lithium battery, not user-replaceableEnvironment ConditionsOperating Temperature $-20^{\circ}$ to $+60^{\circ}$ C (vertical installation). Plug-in and USB devices may limit max temperature to $+50^{\circ}$ CStorage Temperature $-20^{\circ}$ C to $+70^{\circ}$ COperating / Storage Humidity $5-85\%$ RH, non condensingProtection ClassIP66 (front), IP20 (rear) - Type: 12, 4XDimensions and Weights $Faceplate LxH$ Faceplate LxH $187x147 mm (7.36x5.79")$ Cutout AxB $176x136 mm (6.93x5.35")$ Depth D+T $47+8 mm (1.85+0.31")$ Weight $1.5 Kg$ Approvals $CE$ Electromagnetic Compatibility Directive 2014/30/EU (EMC)ATEX $2one 2/22: II 3 G Ex ec IIC T5T4 Gc, II 3 D Ex te IIIC T95°C Dc-20^{\circ}C < Tamb s + 60^{\circ}C or 0°C < Tamb s + 50°C$	Power supply	24 Vdc (10 to 32 Vdc)
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Environment Conditions-20° to +60 °C (vertical installation). Plug-in and USB devices may limit max temperature to +50 °COperating Temperature-20° to +70°COperating / Storage Humidity5-85% RH, non condensing IP66 (front), IP20 (rear) - Type: 12, 4XDimensions and WeightsFaceplate LxH187x147 mm (7.36x5.79")Cutout AxB176x136 mm (6.93x5.35")Depth D+T47+8 mm (1.85+0.31")Weight1.5 KgApprovalsCEElectromagnetic Compatibility Directive 2014/30/EU (EMC)Zone 2/22: II 3 G Ex ec IIC T5T4 Gc, II 3 D Ex tc IIIC T95°C Dc -20°C ≤ Tamb ≤ +60°C or 0°C ≤ Tamb ≤ +50°CULcULULcULus: UL61010-1 / UL61010-2-201ULcULus: Class 1 Div 2DNVYes	Input Protection	Electronic
Operating Temperature $-20^{\circ}$ to +60 °C (vertical installation). Plug-in and USB devices may limit max temperature to +50 °CStorage Temperature $-20^{\circ}$ C to +70°COperating / Storage Humidity $5-85\%$ RH, non condensingProtection ClassIP66 (front), IP20 (rear) - Type: 12, 4XDimensions and Weights $\mathbf{Faceplate LxH}$ Faceplate LxH187x147 mm (7.36x5.79")Cutout AxB176x136 mm (6.93x5.35")Depth D+T47+8 mm (1.85+0.31")Weight1.5 KgApprovals $\mathbf{Zone 2/22: II 3 G Ex ec IIC T5T4 Gc, II 3 D Ex tc IIIC T95°C Dc}{-20°C < Tamb < +60°C or 0°C < Tamb < +50°C$	Battery	Rechargeable Lithium battery, not user-replaceable
Operating Temperaturelimit max temperature to $\pm 50 ^{\circ}$ CStorage Temperature $-20^{\circ}$ C to $\pm 70^{\circ}$ COperating / Storage Humidity $5 \cdot 85^{\circ}$ RH, non condensingProtection ClassIP66 (front), IP20 (rear) - Type: 12, 4XDimensions and WeightsFaceplate LxH187x147 mm (7.36x5.79")Cutout AxB176x136 mm (6.93x5.35")Depth D+T47+8 mm (1.85+0.31")Weight1.5 KgApprovalsCEElectromagnetic Compatibility Directive 2014/30/EU (EMC)ATEXZone 2/22: II 3 G Ex ec IIC T5T4 Gc, II 3 D Ex tc IIIC T95°C Dc -20°C ≤ Tamb ≤ $\pm 60^{\circ}$ C or 0°C ≤ Tamb $\leq \pm 50^{\circ}$ CIECExZone 2/22: Ex ec IIC T5T4 Gc, Ex tc IIIC T95°C Dc -20°C ≤ Tamb $\leq \pm 60^{\circ}$ C or 0°C $\leq$ Tamb $\leq \pm 50^{\circ}$ CULcULus: UL61010-1 / UL61010-2-201ULcULus: Class 1 Div 2DNVYes	Environment Conditions	
Operating / Storage Humidity5-85% RH, non condensingProtection ClassIP66 (front), IP20 (rear) - Type: 12, 4XDimensions and WeightsFaceplate LxH187x147 mm (7.36x5.79")Cutout AxB176x136 mm (6.93x5.35")Depth D+T47+8 mm (1.85+0.31")Weight1.5 KgApprovalsCEElectromagnetic Compatibility Directive 2014/30/EU (EMC)ATEXZone 2/22: II 3 G Ex ec IIC T5T4 Gc, II 3 D Ex tc IIIC T95°C Dc -20°C < Tamb < +60°C or 0°C < Tamb < +50°C	Operating Temperature	
Protection Class IP66 (front), IP20 (rear) - Type: 12, 4X   Dimensions and Weights Image: Type (rear) - Type: 12, 4X   Faceplate LxH 187x147 mm (7.36x5.79")   Cutout AxB 176x136 mm (6.93x5.35")   Depth D+T 47+8 mm (1.85+0.31")   Weight 1.5 Kg   Approvals Zone 2/22: II 3 G Ex ec IIC T5T4 Gc, II 3 D Ex tc IIIC T95°C Dc -20°C ≤ Tamb ≤ +60°C or 0°C ≤ Tamb ≤ +50°C   IECEx Zone 2/22: Ex ec IIC T5T4 Gc, Ex tc IIIC T95°C Dc -20°C ≤ Tamb ≤ +60°C or 0°C ≤ Tamb ≤ +50°C   UL cULus: UL61010-1 / UL61010-2-201   UL cULus: Class 1 Div 2   DNV Yes	Storage Temperature	-20°C to +70°C
Dimensions and Weights     Faceplate LxH   187x147 mm (7.36x5.79")     Cutout AxB   176x136 mm (6.93x5.35")     Depth D+T   47+8 mm (1.85+0.31")     Weight   1.5 Kg     Approvals   CE     CE   Electromagnetic Compatibility Directive 2014/30/EU (EMC)     ATEX   Zone 2/22: II 3 G Ex ec IIC T5T4 Gc, II 3 D Ex tc IIIC T95°C Dc     -20°C ≤ Tamb ≤ +60°C or 0°C ≤ Tamb ≤ +50°C   IECEx     IECEx   Zone 2/22: Ex ec IIC T5T4 Gc, Ex tc IIIC T95°C Dc     -20°C ≤ Tamb ≤ +60°C or 0°C ≤ Tamb ≤ +50°C   UL     UL   cULus: UL61010-1 / UL61010-2-201     UL   cULus: Class 1 Div 2     DNV   Yes	Operating / Storage Humidity	5-85% RH, non condensing
Faceplate LxH 187x147 mm (7.36x5.79")   Cutout AxB 176x136 mm (6.93x5.35")   Depth D+T 47+8 mm (1.85+0.31")   Weight 1.5 Kg   Approvals CE   CE Electromagnetic Compatibility Directive 2014/30/EU (EMC)   ATEX Zone 2/22: II 3 G Ex ec IIC T5T4 Gc, II 3 D Ex tc IIIC T95°C Dc -20°C ≤ Tamb ≤ +60°C or 0°C ≤ Tamb ≤ +50°C   IECEx Zone 2/22: Ex ec IIC T5T4 Gc, Ex tc IIIC T95°C Dc -20°C ≤ Tamb ≤ +60°C or 0°C ≤ Tamb ≤ +50°C   UL cULus: UL61010-1 / UL61010-2-201   UL cULus: Class 1 Div 2   DNV Yes	Protection Class	IP66 (front), IP20 (rear) - Type: 12, 4X
Cutout AxB 176x136 mm (6.93x5.35")   Depth D+T 47+8 mm (1.85+0.31")   Weight 1.5 Kg   Approvals CE   CE Electromagnetic Compatibility Directive 2014/30/EU (EMC)   ATEX Zone 2/22: II 3 G Ex ec IIC T5T4 Gc, II 3 D Ex tc IIIC T95°C Dc -20°C < Tamb < +60°C or 0°C < Tamb < +50°C	Dimensions and Weights	
Depth D+T   47+8 mm (1.85+0.31")     Weight   1.5 Kg     Approvals   CE     CE   Electromagnetic Compatibility Directive 2014/30/EU (EMC)     ATEX   Zone 2/22: II 3 G Ex ec IIC T5T4 Gc, II 3 D Ex tc IIIC T95°C Dc -20°C < Tamb < +60°C or 0°C < Tamb < +50°C	Faceplate LxH	187x147 mm (7.36x5.79")
Weight   1.5 Kg     Approvals   Electromagnetic Compatibility Directive 2014/30/EU (EMC)     CE   Electromagnetic Compatibility Directive 2014/30/EU (EMC)     ATEX   Zone 2/22: II 3 G Ex ec IIC T5T4 Gc, II 3 D Ex tc IIIC T95°C Dc -20°C ≤ Tamb ≤ +60°C or 0°C ≤ Tamb ≤ +50°C     IECEx   Zone 2/22: Ex ec IIC T5T4 Gc, Ex tc IIIC T95°C Dc -20°C ≤ Tamb ≤ +60°C or 0°C ≤ Tamb ≤ +50°C     UL   cULus: UL61010-1 / UL61010-2-201     UL   cULus: Class 1 Div 2     DNV   Yes	Cutout AxB	176x136 mm (6.93x5.35")
Approvals     CE   Electromagnetic Compatibility Directive 2014/30/EU (EMC)     ATEX   Zone 2/22: II 3 G Ex ec IIC T5T4 Gc, II 3 D Ex tc IIIC T95°C Dc     -20°C ≤ Tamb ≤ +60°C or 0°C ≤ Tamb ≤ +50°C     IECEx   Zone 2/22: Ex ec IIC T5T4 Gc, Ex tc IIIC T95°C Dc     -20°C ≤ Tamb ≤ +60°C or 0°C ≤ Tamb ≤ +50°C     UL   cULus: UL61010-1 / UL61010-2-201     UL   cULus: Class 1 Div 2     DNV   Yes	Depth D+T	47+8 mm (1.85+0.31")
CEElectromagnetic Compatibility Directive 2014/30/EU (EMC)ATEXZone 2/22: II 3 G Ex ec IIC T5T4 Gc, II 3 D Ex tc IIIC T95°C Dc $-20°C \le Tamb \le +60°C \text{ or } 0°C \le Tamb \le +50°C$ IECExZone 2/22: Ex ec IIC T5T4 Gc, Ex tc IIIC T95°C Dc $-20°C \le Tamb \le +60°C \text{ or } 0°C \le Tamb \le +50°C$ ULcULus: UL61010-1 / UL61010-2-201ULcULus: Class 1 Div 2DNVYes	Weight	1.5 Kg
ATEX Zone 2/22: II 3 G Ex ec II C T5T4 Gc, II 3 D Ex tc IIIC T95°C Dc   -20°C ≤ Tamb ≤ +60°C or 0°C ≤ Tamb ≤ +50°C   IECEx Zone 2/22: Ex ec IIC T5T4 Gc, Ex tc IIIC T95°C Dc   -20°C ≤ Tamb ≤ +60°C or 0°C ≤ Tamb ≤ +50°C   UL cULus: UL61010-1 / UL61010-2-201   UL cULus: Class 1 Div 2   DNV Yes	Approvals	
ATEX   -20°C ≤ Tamb ≤ +60°C or 0°C ≤ Tamb ≤ +50°C     IECEx   Zone 2/22: Ex ec IIC T5T4 Gc, Ex tc IIIC T95°C Dc -20°C ≤ Tamb ≤ +60°C or 0°C ≤ Tamb ≤ +50°C     UL   cULus: UL61010-1 / UL61010-2-201     UL   cULus: Class 1 Div 2     DNV   Yes	CE	Electromagnetic Compatibility Directive 2014/30/EU (EMC)
IECEX   -20°C ≤ Tamb ≤ +60°C or 0°C ≤ Tamb ≤ +50°C     UL   cULus: UL61010-1 / UL61010-2-201     UL   cULus: Class 1 Div 2     DNV   Yes	ATEX	
UL cULus: Class 1 Div 2 DNV Yes	IECEx	
DNV Yes	UL	cULus: UL61010-1 / UL61010-2-201
	UL	cULus: Class 1 Div 2
RCM Yes	DNV	Yes
	RCM	Yes



8 Cut-out





- 1 USB ports 1 and 2
- 2 Ethernet port 2 (10/100 Mb)
- 3 Ethernet port 1 (10/100 Mb)
- 4 Serial port

5 Ethernet port 0 (10/100/1000 Mb)

В

A

- 6 Power supply
- 7 SD Card slot
- 8 2 Expansion slots for plugin modules

### Ordering Information

Model	Part Number	Description
eX707M Web	+EX707MU5PW	Web HMI 7" TFT 800x480, PCAP Touchscreen, 8 GB Flash Memory, 3x Ethernet Ports, Web browser

ptn0689 - Version 1.3

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