eX715FB Tech-Note

HMI 15” TFT, PCAP Touch
Hygienic design, IP69

- Extensive Guarantee despite no Protective Casing
- Ease of Cleaning
- Real World IP69 Rating
- Glass Strength with Polyester Coating
- High Pressure 80°C Water Resistant
- Perfect Stainless Steel Bezel Design
- Acid Chemical Resistant
- Food Compliant Gasket
- Front panel and gasket guidelines:
  1. DIN EN1672-2
  2. EHEDG / FDA 21 CFR 177.2006

Highlights

Where tough legislation requires that handling, preparation, processing and packaging of food is done to be extremely hygienic, the outstanding eX715FB 15” Food and Beverage HMI is the **best choice for manufacturer and final consumer.**

No other company offers such specialized solutions to the everyday problems faced in the Food and Beverage industry and in **particular the meat processing sector**.

The food & beverage and pharmaceutical sectors are very different environments from the industrial world. Although the set up of the production facilities might seem similar, **there are a series of legislative requirements and guidelines that are dramatically more onerous**.

EXOR has adapted its highly successful eX715 to meet these challenges. EXOR alters the HMI devices in many areas to comply with the CEI EN 60529 guidelines with an **incredible level of attention to eliminating the accumulation of food, grease, and product powder particles**.

The rugged stainless-steel fronts are **highly polished to allow particles to flow away** from the surface. The frame has the optimal **angle of contact to the machine surface** to both enable cleaning liquids to wash away and also **not to allow bacteria or microbes to remain**.

All these measures and more mean that EXOR can offer this product at a high protection **front panel rating of IP69**: resistance to frequent washing with water at high pressure and high temperature. Resistance to highly aggressive cleaning substances is a plus.

No longer will you need to contain the HMI devices within a costly cabinet as is so often seen. Industry sectors that might require this series are the **food, pharmaceutical and chemical industries or anywhere, where the highest level of attention to hygiene is a requirement for reputational risk**.

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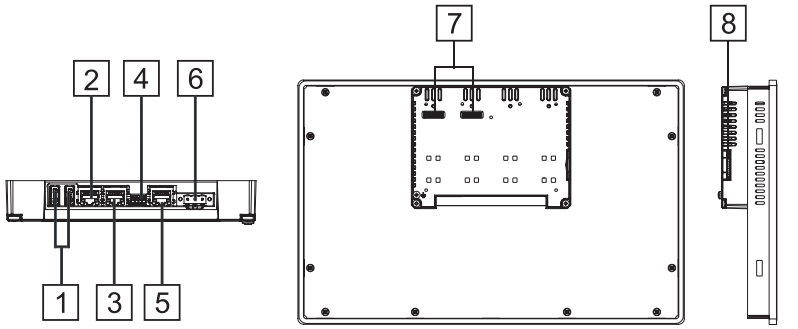
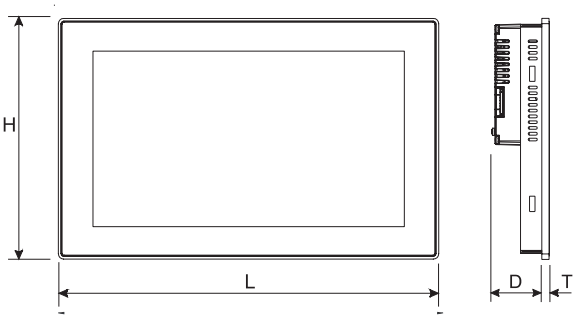
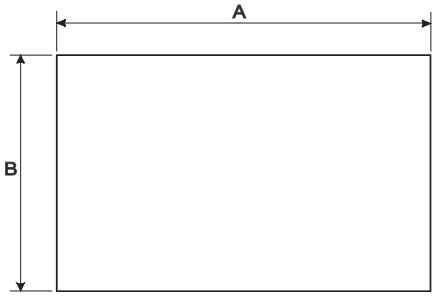
eX715FB - Technical Data

System Resources	
Display - Colors	15,6" TFT LED - 16M
Resolution	1366x768, HD
Brightness	400 Cd/m² typ.
Dimming	to 0%
Touchscreen	Projected Capacitive, Multitouch
CPU	32-bit RISC quad core - 800 MHz
Operating System	Linux RT
Flash	8 GB
RAM	2 GB
Real Time Clock, RTC Back-up, Buzzer	Yes
Interface	
Ethernet port	3 (port 0 - 10/100/1000, port 1 - 10/100, port 2 - 10/100)
USB port	2 (Host V2.0, max. 500 mA)
Serial port	1 (RS-232, RS-485, RS-422, software configurable) Max 3 serial ports using plug-in modules.
SD card	Yes
Expansion	2 slot for plug in modules
Ratings	
Power supply	24 Vdc (10 to 32 Vdc)
Current Consumption	1.2 A at 24 Vdc (max.)
Input Protection	Electronic
Battery	Rechargeable Lithium battery, not user-replaceable
Environment Conditions	
Operating Temp	-20° to +60 °C (vertical installation) Plug-in modules and USB devices may limit max temperature to +50 °C
Storage Temp	-30°C to +80°C
Operating / Storage Humidity	5-85% RH, non condensing
Protection Class	IP69 (front), IP20 (rear) Type: 12, 4X
Dimensions and Weights	
Faceplate LxH	450x295mm
Cutout AxB	411x256 mm (16.18x10")
Depth D+T	54+10 mm (2,125+0,394")
Weight	5.2 Kg
Approvals	
CE	Electromagnetic Compatibility Directive 2014/30/EU (EMC)
UL	cULus: UL61010-1 / UL61010-2-201
RCM	Yes





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



Cut-out

Ordering Information

Model	Part Number	Description
eX715FB	+EX715U4F1	HMI 15" PCAP Touch, 3x Ethernet, Hygienic design, IP69, JMobile runtime

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