# eX707FB Tech-Note

## HMI 7” 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 eX707FB 7” 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 eX707 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**.

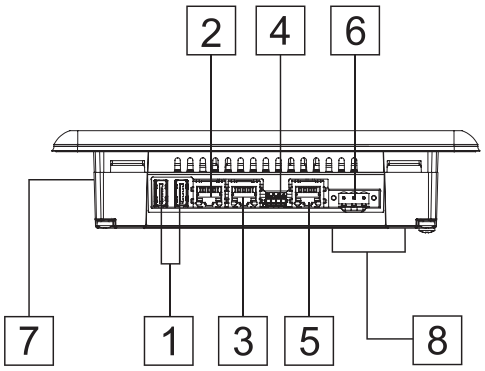
All these measures and more mean that EXOR can offer this product at a high protection **front panel rating of IP69**: resistance to frequent washing with water at high pressure and high temperature. Resistance to highly aggressive cleaning substances is a plus.

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**.

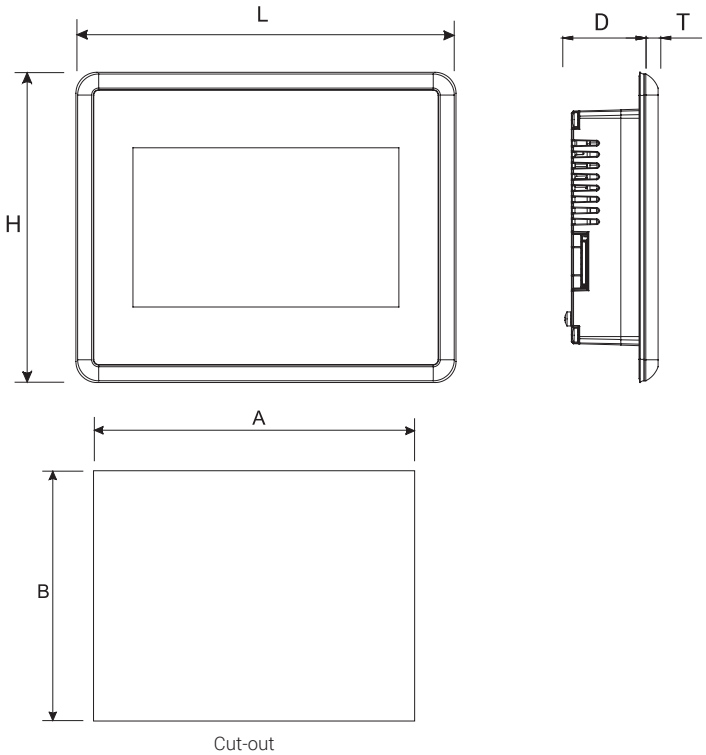

© 2019 EXOR International S.p.A. - Subject to change without notice

# eX707FB - Technical Data

| System Resources | |
|---|---|
| Display - Colors | 7" TFT 16:9 LED - 16M |
| Resolution | 800x480, WVGA |
| Brightness | 500 Cd/m² typ. |
| Dimming | to 0% |
| Touchscreen | Projected Capacitive, Multitouch |
| CPU | 32-bit RISC dual core - 800 MHz |
| Operating System | Linux RT |
| Flash | 4 GB |
| RAM | 1 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)<br>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 | 0.7 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)<br>Plug-in modules and USB devices may limit<br>max temperature to +50 °C |
| Storage Temp | -20°C to +70°C |
| Operating / Storage Humidity | 5-85% RH, non condensing |
| Protection Class | IP69 (front), IP20 (rear)<br>Type: 12, 4X |
| **Dimensions and Weights** | |
| Faceplate LxH | 217x177 mm (8.54x6.96") |
| Cutout AxB | 176x136 mm (6.93x5.35") |
| Depth D+T | 45+10 mm (1.77+0.4") |
| Weight | 2.5 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 SD Card slot
8 2 Expansion slots for plugin modules




Cut-out

# Ordering Information

| Model | Part Number | Description |
|---|---|---|
| eX707FB | +EX707U4F1 | HMI 7" PCAP Touch, 3x Ethernet, Hygienic design, IP69, JMobile runtime |


© 2019 EXOR International S.p.A. - Subject to change without notice