

Food and Beverage Tech-Notes



Key Features

- 5 Year Guarantee despite no Protective Casing
- Ease of Cleaning
- Real World IP69K 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:
 - DIN EN1672-2
 - EHEDG / FDA 21 CFR 177.2006

Highlights

In every country, legislation requires that handling, preparation, processing and packaging of food is done hygienically: hygienic machinery in hygienic premises.

How to comply with these requirements, however, is left to the industry and even to the individual company.

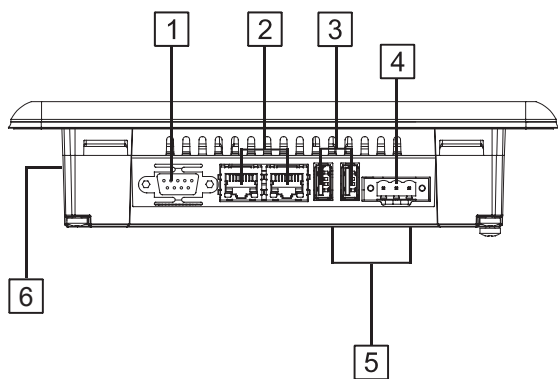
The outstanding 7" and 15"* Food and Beverage HMI from Exor is the best choice for each of the stakeholders in the purchase of this product:

- The Business Owner – An attractive HMI panel that demonstrates the company's commitment to hygiene.
- The Business Manager – Adherence to all directives and laws as well as the possibility to construct an Industry 4.0 compliant machine
- The Final User Operator – Direct and rapid cleaning at the same moment as the machine is cleaned, without any precautionary intervention for the control interface.

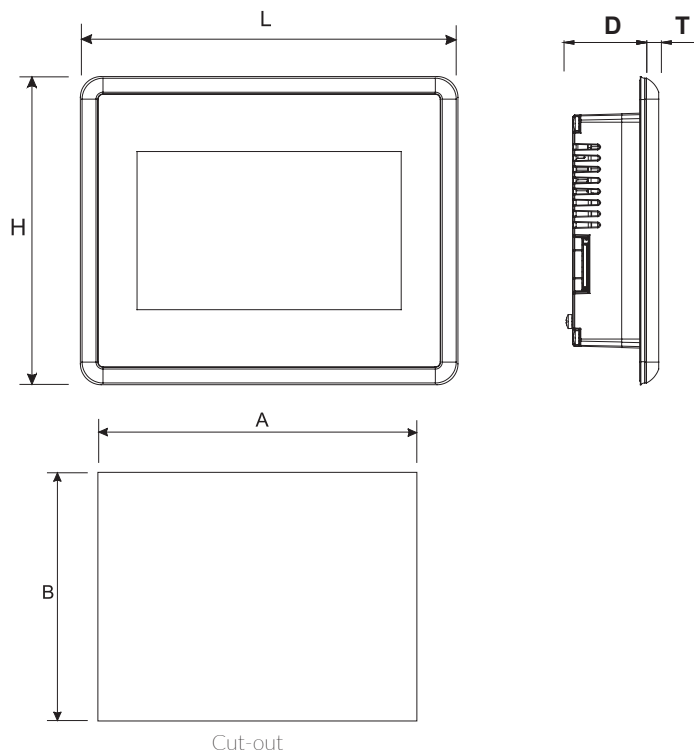
Technical Data



System Resources	
Display - Colors	7" TFT 16:9 LED - 64K
Resolution	800x480, WVGA
Brightness	400 Cd/m ² typ.
Dimming	to 0%
Touchscreen	True Glass Projected Capacitive
CPU	ARM Cortex-A8 - 1 GHz
Operating System	Microsoft Windows CE 6.0
Flash	256 MB
RAM	256 MB
Real Time Clock, RTC Back-up, Buzzer	Yes
Interface	
Ethernet port	2 (port 0 - 10/100, port 1 - 10/100) with integrated Switch
USB port	2 (Host V2.0, max. 500 mA)
Serial port	1 (RS-232, RS-485, RS-422, software configurable)
SD card	Yes
Expansion	2 slot for plug in modules
Ratings	
Power supply	24 Vdc (10 to 32 Vdc)
Current Consumption	0.9A at 24Vdc (max.)
Input Protection	Electronic
Battery	Rechargeable Lithium battery, not user-replaceable
Environment Conditions	
Operating Temp	-20° to +60 °C
Storage Temp	-40 to +85 °C
Operating / Storage Humidity	5-85% RH, non condensing
Protection Class	IP69K (front), IP20 (rear)
Dimensions and Weights	
Faceplate LxH	217x177 mm
Cutout AxB	176x136 mm (6.93x5.35")
Depth D+T	44 + 12.3 mm
Weight	2.5 Kg
Approvals	
CE	Emission EN 61000-6-4 Immunity EN 61000-6-2 for installation in industrial environments
cULus	UL508



- 1 Serial Port
- 2 2x Ethernet Port
- 3 2x USB Port
- 4 Power Supply
- 5 2x Expansion slots for Plugin modules
- 6 SD Card Slot for removable card



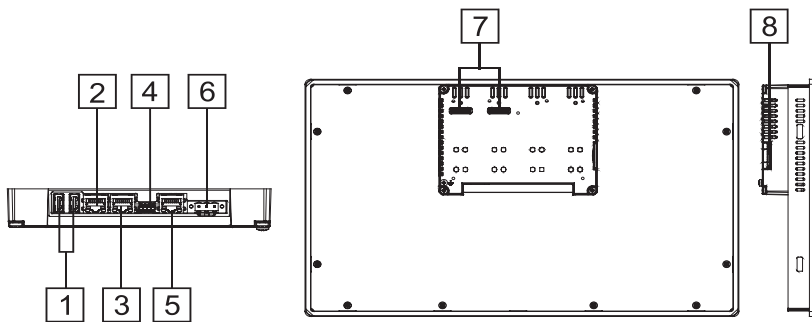
Ordering Information

Model	Part Number	Description
eTOP507MFB	+ETOP507MU1F1	7" widescreen TFT color projected capacitive touchscreen. Stainless steel bezel. Ethernet and USB interfaces. JMobile runtime. White front panel.
eTOP507MFB	+ETOP507MU4F1	7" widescreen TFT color projected capacitive touchscreen. Stainless steel bezel. Ethernet and USB interfaces. JMobile runtime. Blue front panel

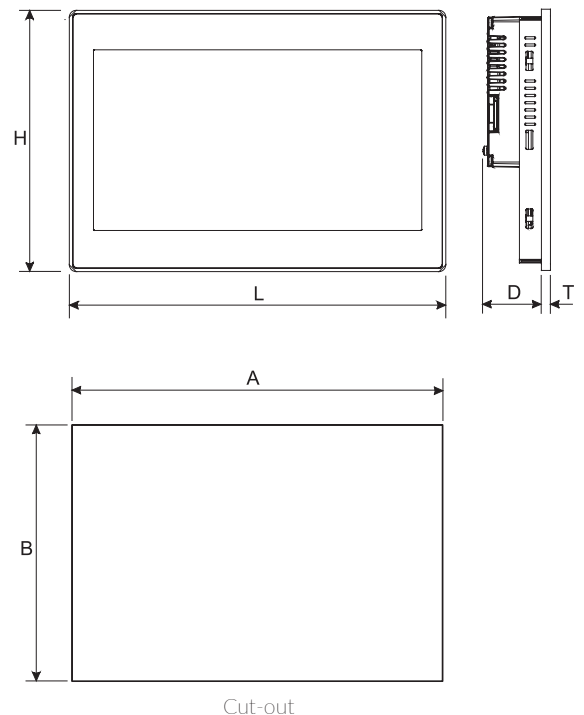
Technical Data



System Resources	
Display - Colors	15,6" TFT LED - 16M
Resolution	1366x768, HD
Brightness	400 Cd/m ² typ.
Dimming	to 0%
Touchscreen	True Glass Projected Capacitive, Multitouch
CPU	ARM Cortex-A9 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)
Storage Temp	-30°C to +80°C
Operating / Storage Humidity	5-85% RH, non condensing
Protection Class	IP69K (front), IP20 (rear)
Dimensions and Weights	
Faceplate LxH	450x295mm
Cutout AxB	411x256 mm (16.18x10")
Depth D+T	56+8 mm (2.20+0.33")
Weight	4.1 Kg
Approvals	
CE	Emission EN 61000-6-4, Immunity EN 61000-6-2 for installation in industrial environments



- 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



Ordering Information

Model	Part Number	Description
eX715FB	TBC	TBC

Accessories

Technical Data



<p>PLCM01 PLCM02 PLCM03 PLCM04 PLCM06 PLCM07</p>	<p>Plug-in module CAN Plug-in module for KNX/EIB (TP interface) Plug-in module RS-232 Plug-in module RS-422/485 with optical insulation Plug-in module Profibus DP slave 12 Mb Secure Cloud Connector</p>
<p>CODESYS V3 SoftPLC PLCM01-CDS PLCM02-CDS PLCM05-CDS</p>	<p>CODESYS V3 activation license Plug-in module CAN + CODESYS V2 Plug-in module for KNX/EIB (TP interface) + CODESYS V2 Plug-in module CODESYS V2</p>
<p>PLIO03 PLIO04 PLIO06 PLIO07</p>	<p>I/O Module with 20 DI 24VDC, 12 DO 24VDC 0,5 A, 8 AI (4 diff or 8 single or 4 PT100 or 4 TC), 4 AO, 1 PT100 Cold Junct I/O Module with 10 DI 24VDC, 10 DO SSR 1.4 A, 4 Programmable AI voltage/PT100/TC, 4 AI voltage, 1 PT100 Compact I/O module. 8 DI, 6 DO, 1 Relay Output Compact I/O module. 2 Relay Outputs</p>