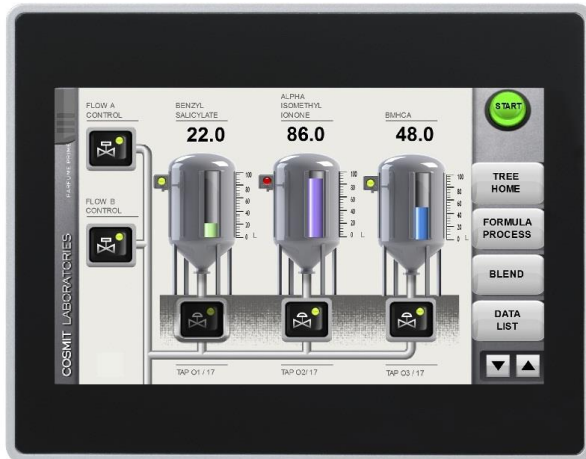# EXOR INTERNATIONAL

Tech-note

UniOP eTOP507M

The UniOP eTOP Series 500 HMI products combine state-of-the-art features and top performance with an oustanding design. They are the ideal choice for all demanding HMI applications including factory and building automation.

The eTOP507M is a high perfomance product created for demanding HMI applications. It features features a bright 7" TFT widescreen (16:9) display with a fully dimmable LED backlight. The CPU and the memory size is enhanced in comparison to standard products.

The JMobile software offers full vector graphic capabilities and plenty of connectivity options.

- 7" TFT color display, LED backlight
- 800x480 pixel (WVGA) resolution, 64K colors
- Resistive touchscreen
- 2 Ethernet ports with switch function
- 2 USB Host ports
- SD Card Slot
- Connection to fieldbus systems and I/O using optional plug-in modules
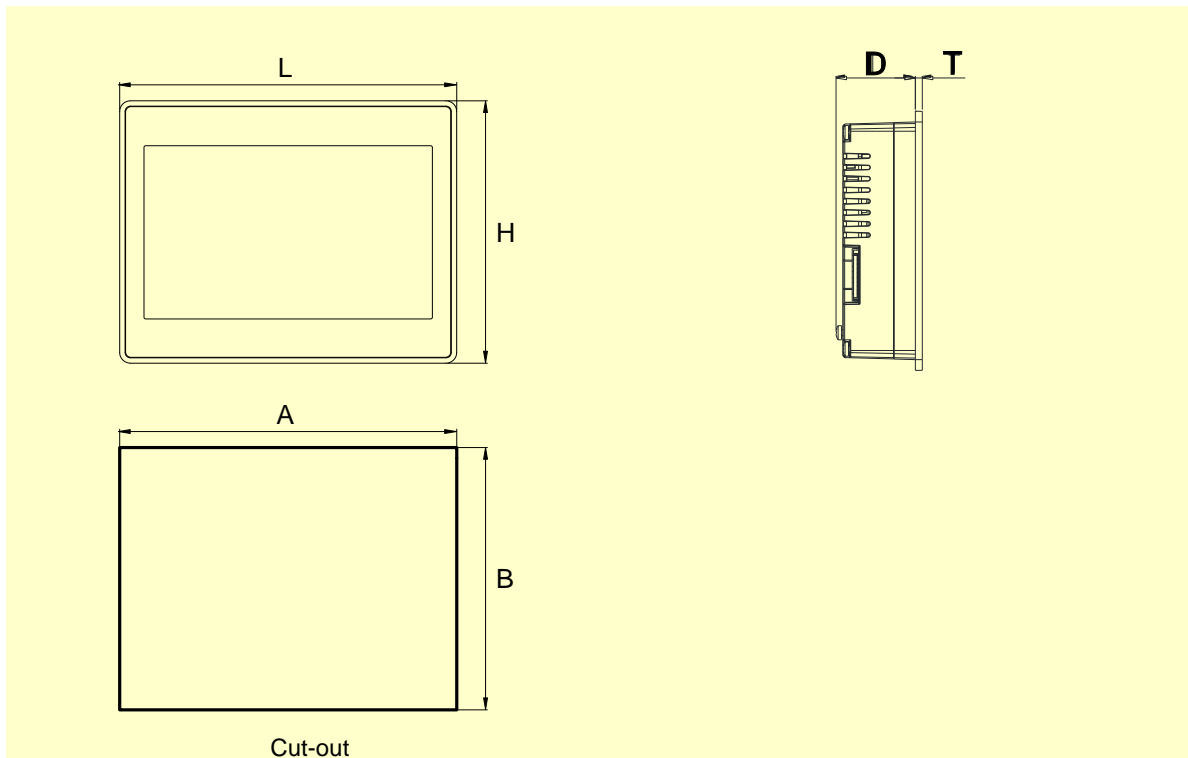- Slim design. Mounting depth less than 50mm

Highlights

The eTOP Series 500 HMI panels have been designed to run the JMobile software.

- JMobile runtime included. Full compatibility with JMobile Studio.
- Full vector graphic support. Native support of SVG graphic objects. Trasparency and alpha blending.
- Full object dynamics: control visibility and transparency, move, resize, rotate objects on screen. Change properties of basic and complex objects.
- TrueType fonts
- Multilanguage applications. Easily create and manage your applications in multiple languages to meet global requirements. Far East languages are supported. Tools available in JMobile Studio support easy third-party translations and help reducing development and maintenance costs of the application.
- Rich set of state-of-the-art HMI features: graphical presentation of data presentation, data acquisition, alarm handling, scheduler and timed actions (daily and weekly schedulers, exception dates), recipe data storage, users and

passwords, e-mail and RSS feeds, rotating menus.
- Includes support for a wide selection of communication drivers for factory automation and building automation.
- Multiple drivers communication capability.
- Remote monitoring and control. Client-Server functionality. Mobile clients supported.
- Remote maintenance and support with VNC-based functionality.
- Off-line and on-line simulation of the HMI application with JMobile Studio.
- Powerful scripting language for automating HMI applications. Script debugging improves efficiency in application development.
- Create and print reports to printers and to file.
- Page templates to simplify application design.
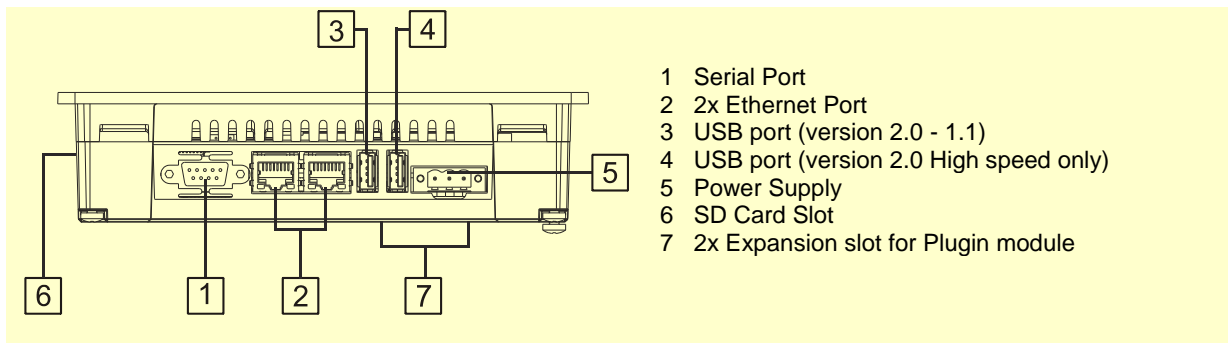- Rich gallery of symbols and objects.
- PDF viewer.

EXOR INTERNATIONAL Tech-note

Technical Data

Display	
Type	TFT
Resolution	800x480, WVGA
Active display area	7" diagonal
Colors	64K
Backlight	LED
Brightness	300 Cd/m^2 typ.
Dimming	Yes

System Resources	
Operating System	Microsoft Windows CE 6.0
User memory	256 MB Flash
RAM	256MB DDR

Operator Interface	
Touchscreen	Analog resistive
LED indicators	1 (dual color)

Interface	
Ethernet	2 10/100 Mbit with integrated Switch
USB	2 Host Interface (1 version 2.0, 1 version 2.0 and 1.1)
Serial	RS-232, RS-485, RS-422, software configurable
Expansion Slot	2 Optional plug-in
Memory Card	SD Card Slot

Functionality	
Vector graphics	Yes, includes SVG support
Object dynamics	Yes. Visibility, opacity, position, size, rotation for most object types.
TrueType fonts	Yes
Multiple driver communication	Yes
Data acquisition and trend presentation	Yes. Flash memory storage limited only by available memory
Multilanguage	Yes, with runtime language switching.
Recipes	Yes. Flash memory storage limited only by available memory
Alarms	Yes
Historical event list	Yes
Users and passwords	Yes

Hardware Real Time Clock	Yes, with battery back-up
Screen saver	Yes
Buzzer	Yes, audible feedback for touchscreen

Ratings	
Power supply voltage	24 Vdc (10 to 32 Vdc)
Current consumption	0.70A at 24Vdc(max.)
Fuse	Automatic
Weight	Approx 1.0 Kg
Battery	Rechargeable Lithium battery, not user-replaceable

Environmental Conditions	
Operating temperature	0 to 50 °C (vertical installation)
Storage temperature	-20 to +70 °C
Operating and storage humidity	5 – 85 % relative humidity, non-condensing
Protection class	IP66 (front) IP20 (rear)

Dimensions	
Faceplate LxH	187x147 mm (7.36x5.79")
Cutout AxB	176x136 mm (6.93x5.35")
Depth D+T	47+4 mm (1.85+0.16")

Approvals	
CE	Emission EN 61000-6-4 Immunity EN 61000-6-2 for installation in industrial environments
DNV	DNV Type Approval Certificate
UL	cULus Haz. Loc. Class I, Division 2, Groups A,B,C and D.
RCM	RCM mark

Dimensions

L

H

A

B

Cut-out

D T

Connections

3 4

5

6 1 2 7

1 Serial Port
2 2x Ethernet Port
3 USB port (version 2.0 - 1.1)
4 USB port (version 2.0 High speed only)
5 Power Supply
6 SD Card Slot
7 2x Expansion slot for Plugin module

Ordering Information

Model	Part Number	Description
eTOP507M-White	+ETOP507MU1P1	High performance 7" widescreen TFT color touchscreen with Ethernet and USB interfaces. White front panel. JMobile run-time.
eTOP507M-Silver	+ETOP507MU2P1	High performance 7" widescreen TFT color touchscreen with Ethernet and USB interfaces. Silver front panel. JMobile run-time.
eTOP507M-Black	+ETOP507MU3P1	High performance 7" widescreen TFT color touchscreen with Ethernet and USB interfaces. Black front panel. JMobile run-time.
PROTFOIL-07-GL	R-PROT12	Disposable protection foil for 5.7" and 7" eTOP touch panels (10 pieces).
PROTFOIL-07-UV	R-PROT18	Disposable protection foil for 5.7" and 7" eTOP touch panels (10 pieces). UV resistant.