EXOR
Tech-note
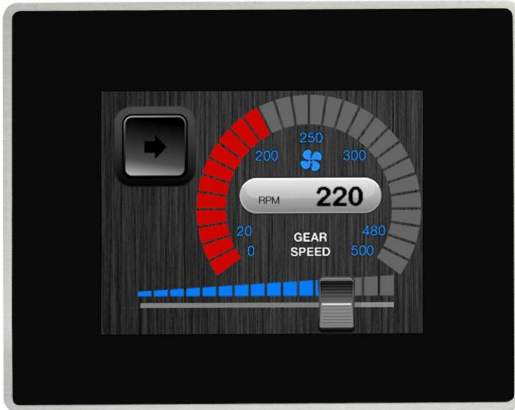
UniOP eTOP506

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 eTOP506 features a bright 5.7" TFT display with LED backlight. The JMobile software offers full vector graphic capabilities and plenty of connectivity options.

- 5.7" TFT color display, LED backlight
- 320x240 pixel (QVGA) resolution, 64K colors
- Resistive touchscreen
- 2 Ethernet ports with switch function
- 2 USB Host ports
- SD Card Slot
- Connection to bus systems using optional plug-in modules
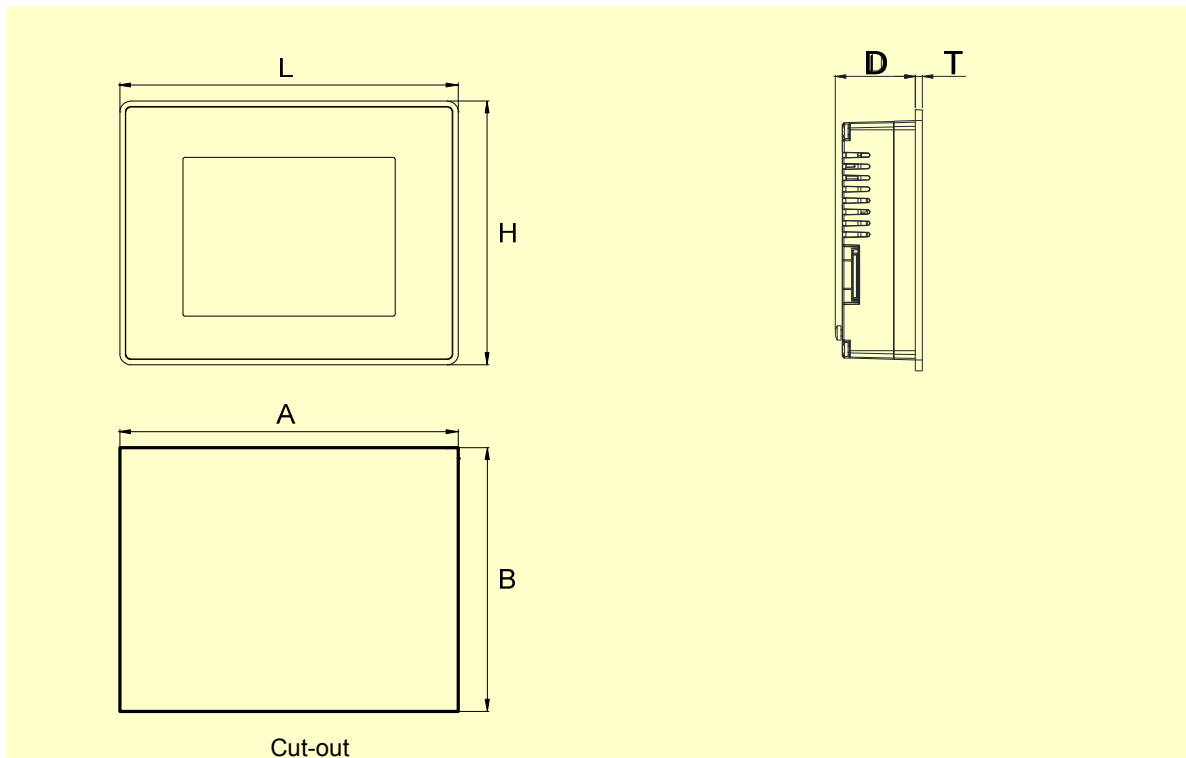- Slim design. Mounting depth less than 50mm

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 any object 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
- Data display in numerical, text, bargraph, analog gauges and graphic image formats.
- Rich set of state-of-the-art HMI features: data acquisition, alarm handling, scheduler and timed actions (daily and weekly schedulers, exception dates), recipes, users and passwords, e-mail and RSS feeds, rotating menus
- Includes support for a wide range of communication drivers for Factory and Building Automation systems.

- Multiple drivers communication capability.
- Remote monitoring and control. Client-Server functionality. Mobile clients supported.
- Off-line and On-line simulation with JMobile Studio.
- Powerful scripting language for automating HMI applications. Script debugging improves efficiency in application development.
- Rich gallery of symbols and objects
- Project templates
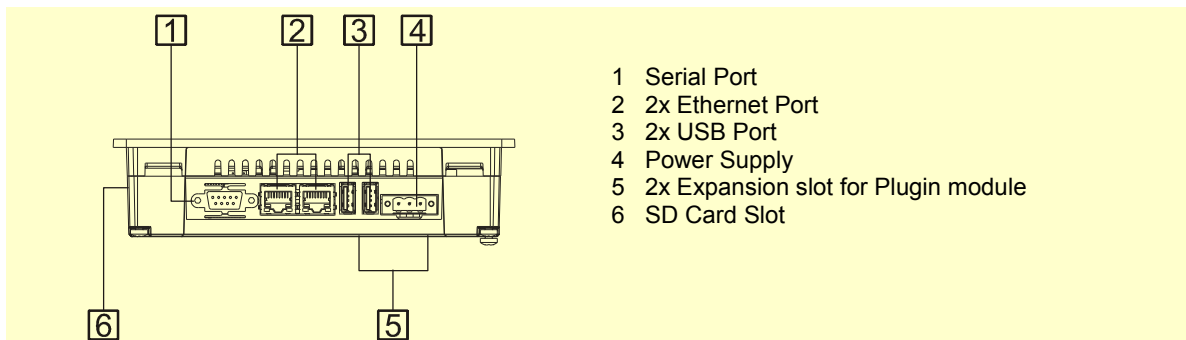- Optional plug-in modules for fieldbus systems, I/O and controllers.

EXOR Tech-note

Technical Data

Display

Type	TFT
Resolution	320x240, QVGA
Active display area	5.7" diagonal
Colors	64K
Backlight	LED
Brightness	200 Cd/m^2 typ.
Dimming	Yes

System Resources

Operating System	Microsoft Windows CE 6.0
User memory	128 MB Flash
RAM	256 MB DDR

Operator Interface

Touchscreen	Analog resistive
User LED indicators	1 (dual color)

Interface

Ethernet	2 10/100 Mbit with integrated Switch
USB	2 Host interfaces v.2.0
Serial	RS-232, RS-485, RS-422, software configurable
Expansion Slot	2 Optional Plugin
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 (18 to 30 Vdc)
Current consumption	0.65A 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

Dimensions

Cut-out

Connections

1 Serial Port
2 2x Ethernet Port
3 2x USB Port
4 Power Supply
5 2x Expansion slot for Plugin module
6 SD Card Slot

Ordering Information

Model	Part Number	Description
eTOP506-White	ETOP506U101	5.7" TFT color touchscreen with Ethernet and USB interfaces. White front panel. JMobile run-time.
eTOP506-Grey	ETOP506U201	5.7" TFT color touchscreen with Ethernet and USB interfaces. Grey front panel. JMobile run-time.
eTOP506-Black	ETOP506U301	5.7" 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.