

# UniOP eTOP506

The UniOP eTOP Series 500 HMI products combine state-of-the-art features and top performance with an outstanding 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 a fully dimmable 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 fieldbus systems and I/O using optional plug-in modules
- Slim design. Mounting depth less than 50mm

## Highlights

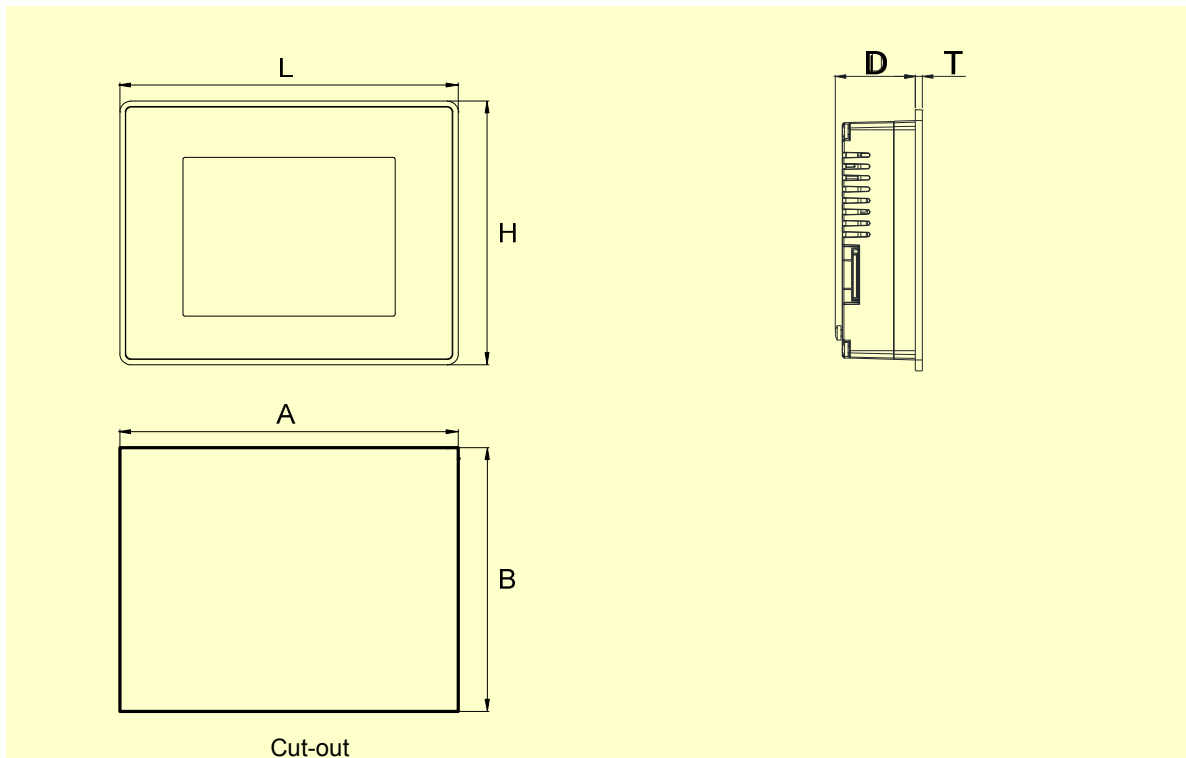
The eTOP Series 500 HMI panels have been designed to run the JMobile software.

- JMobile runtime included. Full compatibility with JMobile Studio.
- Full vector graphic support. Native support of SVG graphic objects. Transparency 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.
- Remote maintenance and support with VNC-based functionality.
- Off-line simulation of the HMI application 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.
- Display backlight dimmable to 0%

## Technical Data

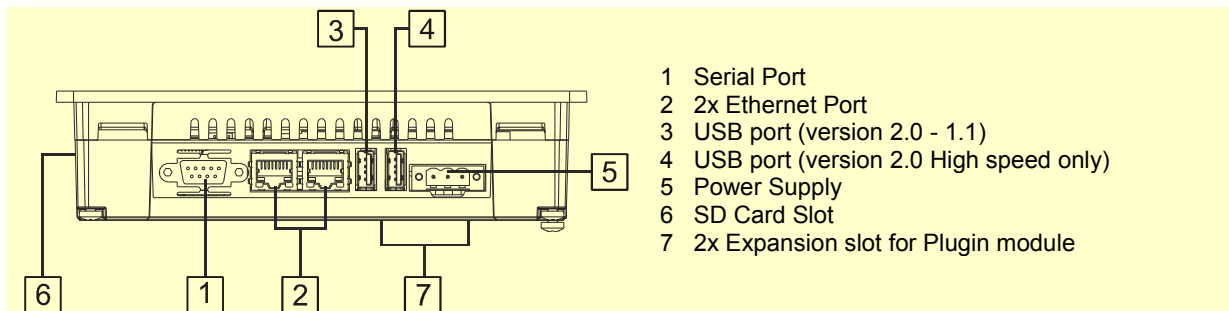
<b>Display</b>		<b>Hardware Real Time Clock</b>	Yes, with battery back-up
Type	TFT	<b>Screen saver</b>	Yes
Resolution	320x240, QVGA	<b>Buzzer</b>	Yes, audible feedback for touchscreen
Active display area	5.7" diagonal		
Colors	64K	<b>Ratings</b>	
Backlight	LED	Power supply voltage	24 Vdc (10 to 32 Vdc)
Brightness	200 Cd/m <sup>2</sup> typ.	Current consumption	0.65A at 24Vdc(max.)
Dimming	Yes	Fuse	Automatic
		Weight	Approx 1.0 Kg
<b>System Resources</b>		Battery	Rechargeable Lithium battery, not user-replaceable
Operating System	Microsoft Windows CE 6.0		
User memory	128 MB Flash	<b>Environmental Conditions</b>	
RAM	256 MB DDR	Operating temperature	0 to 50 °C (vertical installation)
		Storage temperature	-20 to +70 °C
<b>Operator Interface</b>		Operating and storage humidity	5 – 85 % relative humidity, non-condensing
Touchscreen	Analog resistive	Protection class	IP66 (front) IP20 (rear)
LED indicators	1 (dual color)		
		<b>Dimensions</b>	
<b>Interface</b>		Faceplate LxH	187x147 mm (7.36x5.79")
Ethernet	2 10/100 Mbit with integrated Switch	Cutout AxB	176x136 mm (6.93x5.35")
USB	2 Host Interface (1 version 2.0, 1 version 2.0 and 1.1)	Depth D+T	47+4 mm (1.85+0.16")
Serial	RS-232, RS-485, RS-422, software configurable		
Expansion Slot	2 Optional plug-in	<b>Approvals</b>	
Memory Card	SD Card Slot	CE	Emission EN 61000-6-4 Immunity EN 61000-6-2 for installation in industrial environments
		DNV	DNV Type Approval Certificate
<b>Functionality</b>		UL	UL508 Listed Haz. Loc. Class I, Division 2, Groups A,B,C and D.
Vector graphics	Yes, includes SVG support	C-Tick	C-Tick mark
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		

**Dimensions**



Cut-out

**Connections**



- 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**

<b>Model</b>	<b>Part Number</b>	<b>Description</b>
eTOP506-White	ETOP506U1P1	5.7" TFT color touchscreen with Ethernet and USB interfaces. White front panel. JMobile run-time.
eTOP506-Silver	ETOP506U2P1	5.7" TFT color touchscreen with Ethernet and USB interfaces. Silver front panel. JMobile run-time.
eTOP506-Black	ETOP506U3P1	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.

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