

# 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

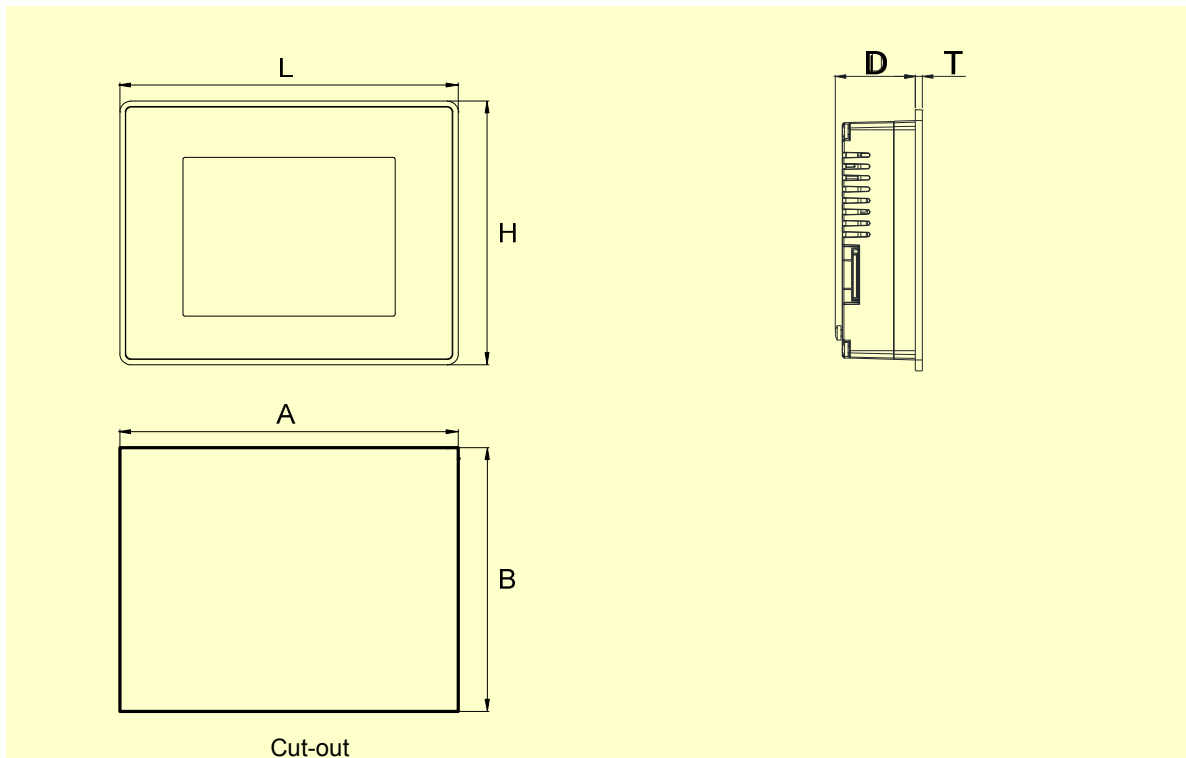
The eTOP Series 500 HMI panels have been designed to run the JMobile software.

- 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

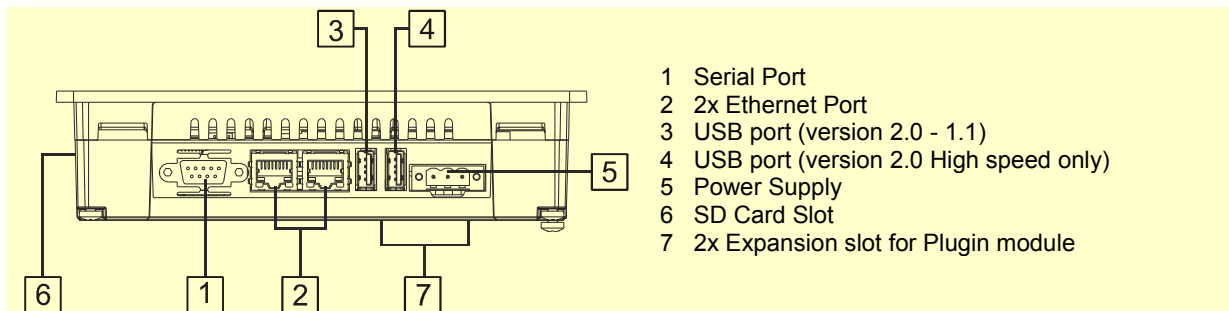
<b>Display</b>		Hardware Real Time Clock	Yes, with battery back-up
Type	TFT	Clock	
Resolution	320x240, QVGA	Screen saver	Yes
Active display area	5.7" diagonal	Buzzer	Yes, audible feedback for touchscreen
Colors	64K		
Backlight	LED	<b>Ratings</b>	
Brightness	200 Cd/m <sup>2</sup> typ.	Power supply voltage	24 Vdc (18 to 30 Vdc)
Dimming	Yes	Current consumption	0.65A at 24Vdc(max.)
		Fuse	Automatic
<b>System Resources</b>		Weight	Approx 1.0 Kg
Operating System	Microsoft Windows CE 6.0	Battery	Rechargeable Lithium battery, not user-replaceable
User memory	128 MB Flash		
RAM	256 MB DDR		
		<b>Environmental Conditions</b>	
<b>Operator Interface</b>		Operating temperature	0 to 50 °C (vertical installation)
Touchscreen	Analog resistive	Storage temperature	-20 to +70 °C
LED indicators	1 (dual color)	Operating and storage humidity	5 – 85 % relative humidity, non-condensing
		Protection class	IP66 (front) IP20 (rear)
<b>Interface</b>		<b>Dimensions</b>	
Ethernet	2 10/100 Mbit with integrated Switch	Faceplate LxH	187x147 mm (7.36x5.79")
USB	2 Host Interface (1 version 2.0, 1 version 2.0 and 1.1)	Cutout AxB	176x136 mm (6.93x5.35")
Serial	RS-232, RS-485, RS-422, software configurable	Depth D+T	47+4 mm (1.85+0.16")
Expansion Slot	2 Optional plug-in		
Memory Card	SD Card Slot	<b>Approvals</b>	
		CE	Emission EN 61000-6-4 Immunity EN 61000-6-2 for installation in industrial environments
<b>Functionality</b>		DNV	DNV Type Approval Certificate
Vector graphics	Yes, includes SVG support	UL	UL508 Listed Haz. Loc. Class I, Division 2, Groups A,B,C and D.
Object dynamics	Yes. Visibility, opacity, position, size, rotation for most object types.	C-Tick	C-Tick mark
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-Grey	ETOP506U2P1	5.7" TFT color touchscreen with Ethernet and USB interfaces. Grey 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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