

# UniOP eTOP507MG

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, energy and marine applications.

The eTOP507G features a high-brightness, contrast-enhanced ruggedized 7" TFT widescreen (16:9) display with LED backlight. The product has been designed for use in harsh environments and outdoor applications. Glass bonding assembly and anti-reflective (AR) glass surface treatment provide for superior optical performance. The durable glass touchscreen requires the human touch, eliminating false activations, and offers high reliability and durability; it will continue to work even surface is scratched or contaminated.



- High Brightness 7" TFT color display, LED backlight
- 800x480 pixel (WVGA) resolution, 64K colors
- Projected Capacitive Touchscreen (PCT)
- 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 without plugin

## Highlights

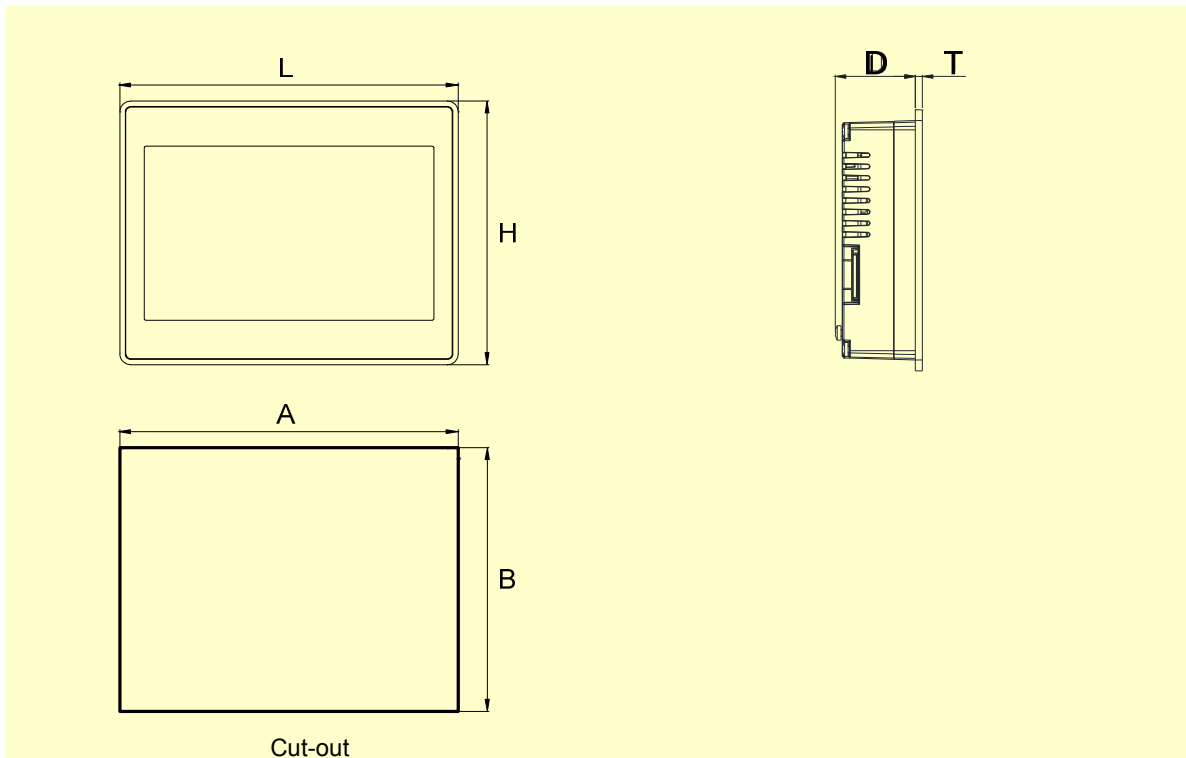
The eTOP Series 500 HMI panels have been designed to run the JMobile software.

- 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.
- 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
- MediaPlayer widget
- Wide dimming
- IP Network camera widget
- Optional CoDeSys SoftPLC
- Optional plug-in modules for fieldbus systems, networks I/O and controllers.

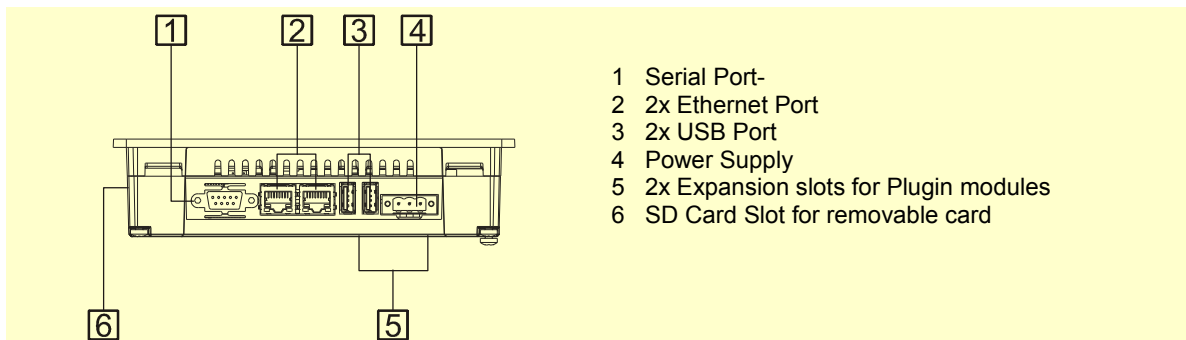
## Technical Data

<b>Display</b> Type Resolution Active display area Colors Backlight Brightness Dimming	TFT 800x480, WVGA 7" diagonal 64K White LED 400 Cd/m <sup>2</sup> typ. Yes	<b>Ratings</b> Power supply voltage Current consumption Fuse Weight Battery	24 Vdc (10 to 32 Vdc) 0.9A at 24Vdc(max.) Automatic Approx 1.0 Kg Rechargeable Lithium battery, not user-replaceable
<b>System Resources</b> Operating System CPU User memory RAM	Microsoft Windows CE 6.0 ARM Cortex-A8 – 1Ghz 256MB Flash 256MB DDR	<b>Environmental Conditions</b> Operating temperature Storage temperature Operating and storage humidity Protection class	-20 to +60 °C (vertical installation mounting) -40 to +85 °C 5 – 85 % relative humidity, non-condensing IP69K (front panel) IP20 (rear)
<b>Operator Interface</b> Touchscreen	True Glass Projective Capacitive	<b>Dimensions</b> Faceplate LxH Cutout AxB Depth D+T	187x147 mm (7.36x5.79") 176x136 mm (6.93x5.35") 47+8 mm (1.85+0.31")
<b>Interfaces</b> Ethernet port USB port Serial Port 1 Expansion Slot Memory Card	2 10/100 Mbit with integrated Switch 2 Host interface v.2.0 RS-232, RS-485, RS-422, software configurable 2 Optional Plugin SD Card Slot	<b>Approvals</b> CE DNV ATEX UL GL	Emission EN 61000-6-4 Immunity EN 61000-6-2 for installation in industrial environments DNV Type Approval Certificate Zone 2/22, II 3G / II 3D UL508 Listed Haz. Loc. Class I, Division 2, Groups A,B,C and D. Germanischer Lloyd Type Approval Certificate
<b>Functionality</b> Vector graphics Object dynamics TrueType fonts Multiple driver communication Data acquisition and trend presentation Multilanguage Recipes Alarms Historical event list Users and passwords Hardware Real Time Clock Screen saver Buzzer	Yes, includes SVG support Yes. Visibility, position, size, rotation for most object types. Yes Yes Yes. Flash memory storage limited only by available memory Yes, with runtime language switching. Yes. Flash memory storage limited only by available memory Yes Yes Yes Yes, with battery back-up Yes Yes, audible feedback for touchscreen		

**Dimensions**



**Connections**



## Ordering Information

Model	Part Number	Description
eTOP507MG	+ETOP507MU5P1	7" widescreen TFT color projected capacitive touchscreen with Ethernet and USB interfaces. JMobile run-time.

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**Ver. 1.3**

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