

UniOP eTOP507G

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 a fully dimmable 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 fieldbus systems and I/O using optional plug-in modules
- Slim design. Mounting depth less than 50mm

Highlights

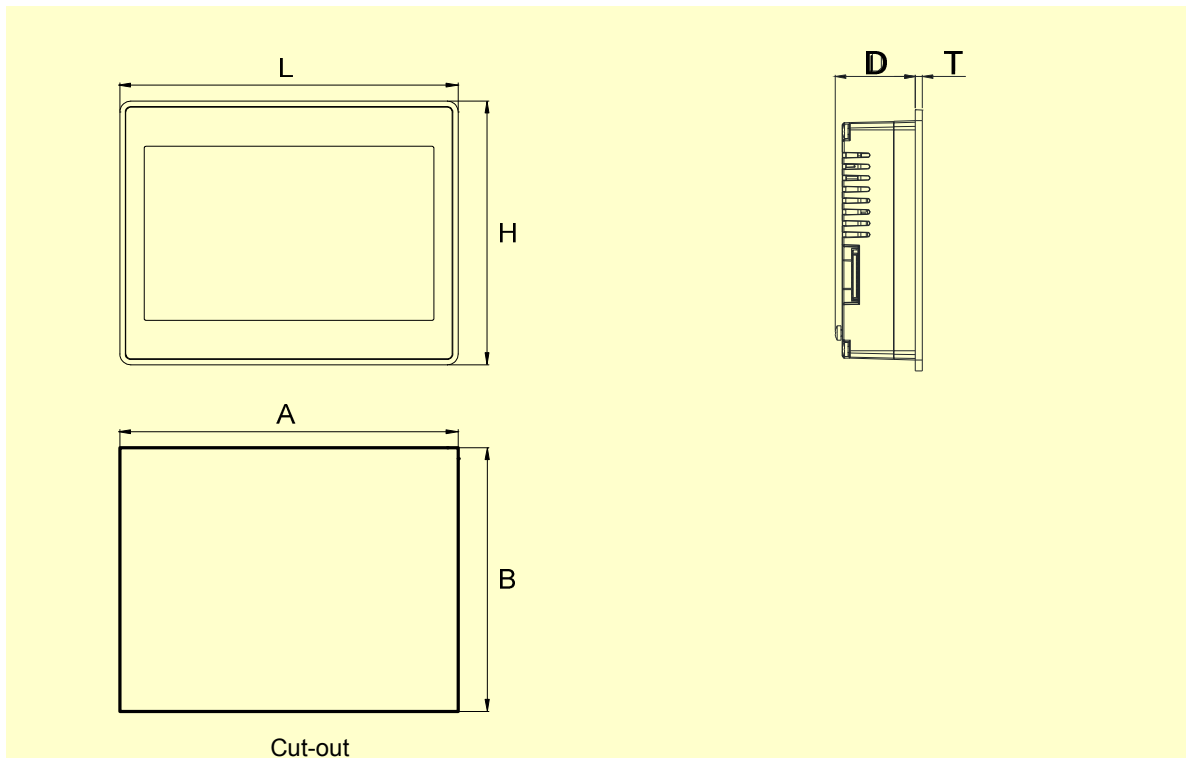
The eTOP Series 500 HMI panels have been designed to run the JMobile software.

- 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, networks I/O and controllers.
- Display backlight dimmable to 0%

Technical Data

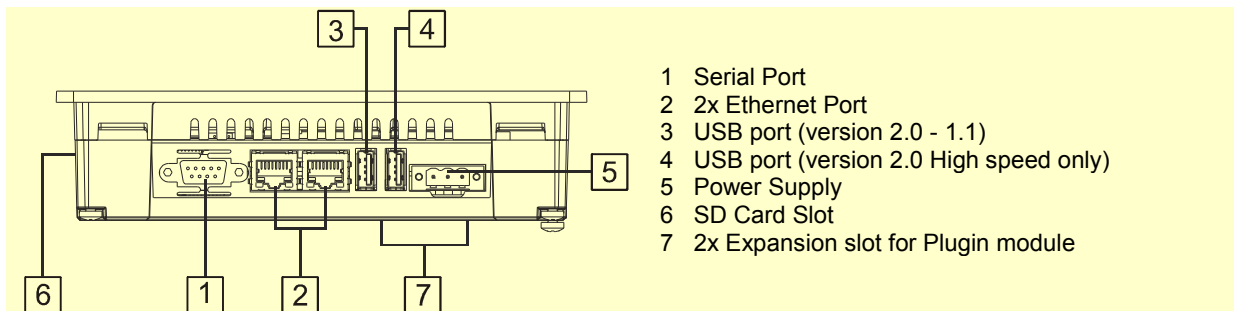
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|---|--|---------------------------------|---|
| Display | | Ratings | |
| Type | TFT | Power supply voltage | 24 Vdc (10 to 32 Vdc) |
| Resolution | 800x480, WVGA | Current consumption | 0.8A at 24Vdc(max.) |
| Active display area | 7" diagonal | Fuse | Automatic |
| Colors | 64K | Weight | Approx 1.0 Kg |
| Backlight | White LED | Battery | Rechargeable Lithium battery, not user-replaceable |
| Brightness | 400 Cd/m ² typ. | | |
| Dimming | Yes | | |
| System Resources | | Environmental Conditions | |
| Operating System | Microsoft Windows CE 6.0 | Operating temperature | -20 to +60 °C (vertical installation mounting) |
| User memory | 128 MB Flash | Storage temperature | -40 to +85 °C |
| RAM | 256MB DDR | Operating and storage humidity | 5 – 85 % relative humidity, non-condensing |
| Operator Interface | | Protection class | IP69K (front panel) IP20 (rear) |
| Touchscreen | True Glass Projective Capacitive | Dimensions | |
| Interfaces | | Faceplate LxH | 187x147 mm (7.36x5.79") |
| Ethernet port | 2 10/100 Mbit with integrated Switch | Cutout AxB | 176x136 mm (6.93x5.35") |
| USB port | 2 Host Interface (1 version 2.0, 1 version 2.0 and 1.1) | Depth D+T | 47+8 mm (1.85+0.31") |
| Serial Port 1 | RS-232, RS-485, RS-422, software configurable | Approvals | |
| Expansion Slot | 2 Optional plug-in | CE | Emission EN 61000-6-4 Immunity EN 61000-6-2 for installation in industrial environments |
| Memory Card | SD Card Slot | DNV | DNV Type Approval Certificate |
| Functionality | | ATEX | Zone 2/22, II 3G / II 3D |
| 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, position, size, rotation for most object types. | C-Tick | C-Tick mark |
| TrueType fonts | Yes | GL | Germanischer Lloyd Type Approval Certificate |
| 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 | | |

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

| Model | Part Number | Description |
|--------------|--------------------|--|
| eTOP507G | +ETOP507U5P1 | 7" widescreen TFT color projected capacitive touchscreen with Ethernet and USB interfaces. JMobile run-time. |

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Ver. 1.6

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ptn0348-6.doc - 08.08.2013