

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

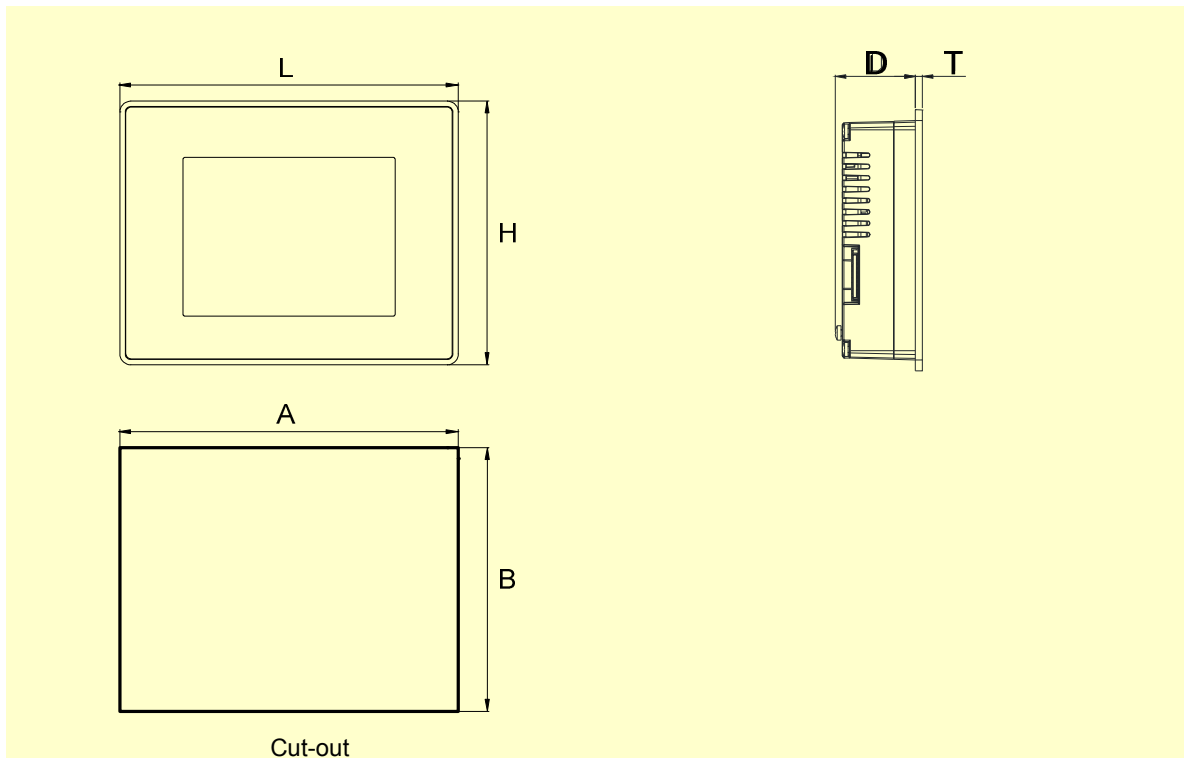
The eTOP Series 500 HMI panels have been designed to run the JMobile software.

- 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%

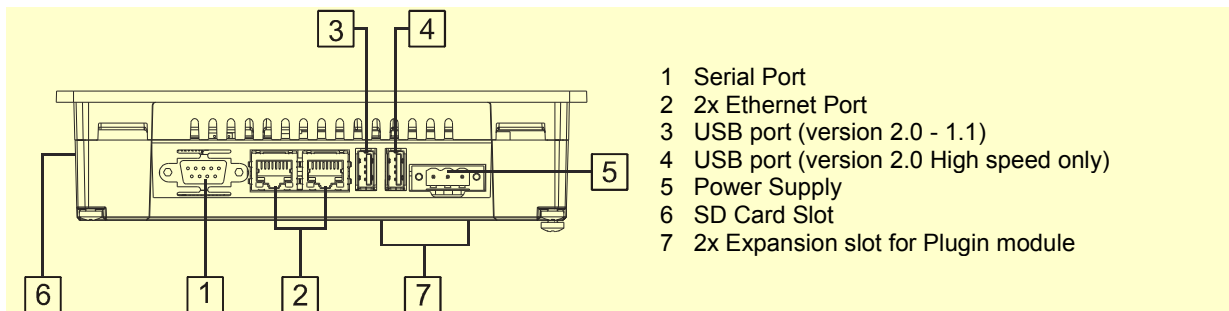
Technical Data

| | | | |
|---|---|---------------------------------|---|
| Display | | Hardware Real Time | 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 | Ratings | |
| Brightness | 200 Cd/m ² typ. | Power supply voltage | 24 Vdc (10 to 32 Vdc) |
| Dimming | Yes | Current consumption | 0.65A at 24Vdc(max.) |
| | | Fuse | Automatic |
| System Resources | | 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 | | |
| | | Environmental Conditions | |
| Operator Interface | | 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) |
| Interface | | Dimensions | |
| 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 | Approvals | |
| | | CE | Emission EN 61000-6-4 Immunity EN 61000-6-2 for installation in industrial environments |
| Functionality | | 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



Connections



Ordering Information

| Model | Part Number | Description |
|----------------|--------------------|--|
| 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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