

UniOP eTOP504

The eTOP504 compact 4,3" widescreen display completes the eTOP series 500 with a no-compromise low-cost product. The built-in dual 100Mb Ethernet interfaces with switch function enhance its communication capability and make it the ideal choice for small systems.



- 4.3" TFT color display
- 480x272 pixel resolution, 64K colors
- Resistive touchscreen
- 2 Ethernet ports with switch function
- USB Host port
- SD Card slot
- Multistandard Serial Port
- Connection to bus systems using optional plug-in modules

Highlights

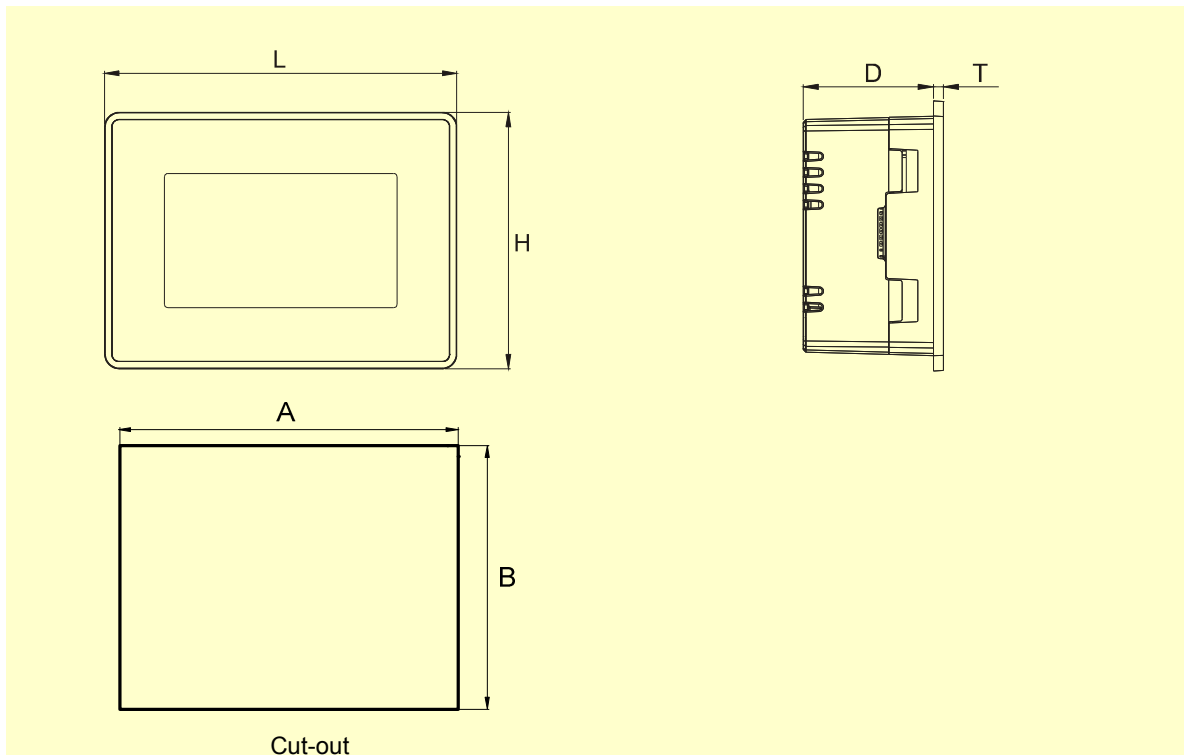
The eTOP Series 500 HMI panels have been designed to run the JMobile software.

- 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 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
- Optional plug-in modules for fieldbus systems, I/O and controllers.
- Wide dimming to 0% supported

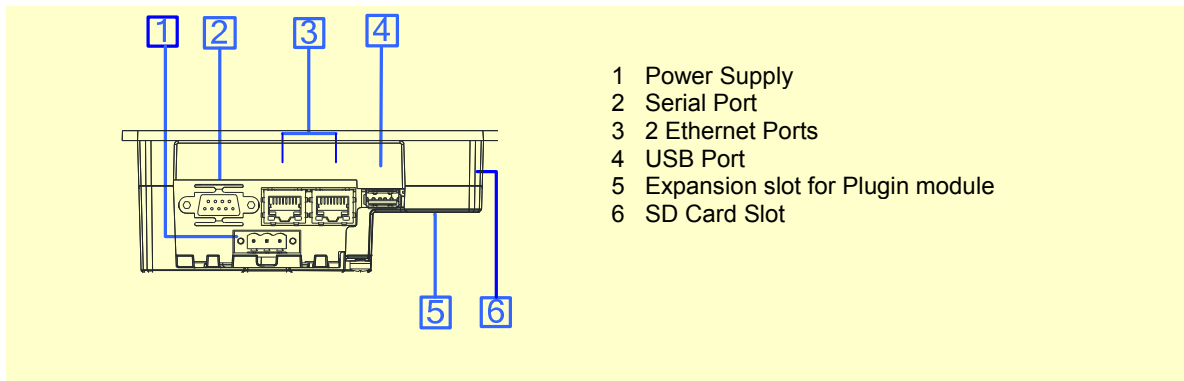
Technical Data

| | | | |
|---|---|---------------------------------|---|
| Display | | Screen saver | Yes |
| Type | TFT | Buzzer | Yes, audible feedback for touchscreen |
| Resolution | 480x272 pixel | Ratings | |
| Active display area | 4.3" diagonal (95.4x53.9 mm) | Power supply voltage | 24 Vdc (18 to 30 Vdc) |
| Colors | 64K | Current consumption | 0.55A at 24Vdc(max.) |
| Backlight | LED | Fuse | Automatic |
| Brightness | 150 cd/m ² typ. | Weight | Approx 1.0 Kg |
| Dimming | Yes | Battery | Rechargeable Lithium battery, not user-replaceable |
| System Resources | | Environmental Conditions | |
| Operating System | Microsoft Windows CE 6.0 | Operating temperature | 0 to 50 °C (vertical installation) |
| User memory | 128 MB Flash | Storage temperature | -20 to +70 °C |
| RAM | 256MB DDR | Operating and storage humidity | 5 – 85 % relative humidity, non-condensing |
| Operator Interface | | Protection class | IP66 (front) IP20 (rear) |
| Touchscreen | Analog resistive | Dimensions | |
| LED indicators | 1 (dual color) | Faceplate LxH | 147x107 mm (5.78x4.21") |
| Interface | | Cutout AxB | 136x96 mm (5.35x3.78") |
| Ethernet | 2 10/100 Mbit with integrated Switch | Depth D+T | 56 + 4mm (2.40+0.16") |
| USB | 1 Host interfaces v.2.0 | Approvals | |
| Serial | RS-232, RS-485, RS-422, software configurable | CE | Emission EN 61000-6-4 Immunity EN 61000-6-2 for installation in industrial environments |
| Expansion Slot | 1 Optional Plugin | DNV | DNV Type Approval Certificate |
| Memory Card | SD Card Slot | UL | UL508 Listed Haz. Loc. Class I, Division 2, Groups A,B,C and D. |
| Functionality | | C-Tick | C-Tick mark |
| Vector graphics | Yes, includes SVG support | | |
| 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 | | |
| Hardware Real Time Clock | Yes, with battery back-up | | |

Dimensions



Connections



Ordering Information

| Model-Type | Part Number | Description |
|-------------------|--------------------|--|
| eTOP504-White | ETOP504U1P1 | 4.3" TFT color touchscreen panel with Ethernet interface, White front panel. JMobile run-time. |
| eTOP504-Grey | ETOP504U2P1 | 4.3" TFT color touchscreen panel with Ethernet interface. Grey front panel. JMobile run-time. |
| eTOP504-Black | ETOP504U3P1 | 4.3" TFT color touchscreen panel with Ethernet interface Black front panel. JMobile run-time. |
| PROTFOIL-04-GL | R-PROT11 | Disposable protection foil for 3.5"/3.8"/4.3" eTOP touch panels (10 pieces) |
| PROTFOIL-04-UV | R-PROT17 | Disposable protection foil for 3.5"/3.8"/4.3" eTOP touch panels (10 pieces). UV resistant |

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Subject to change without notice

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