

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

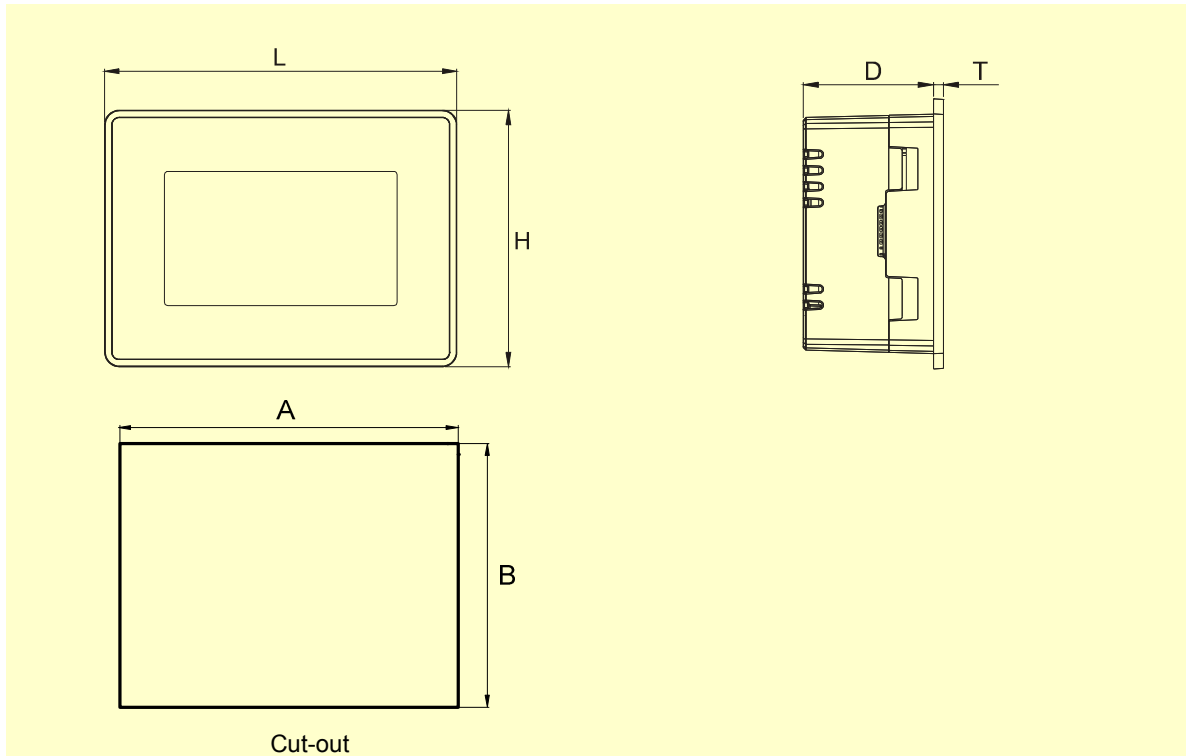
The eTOP Series 500 HMI panels have been designed to run the JMobile software.

- 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

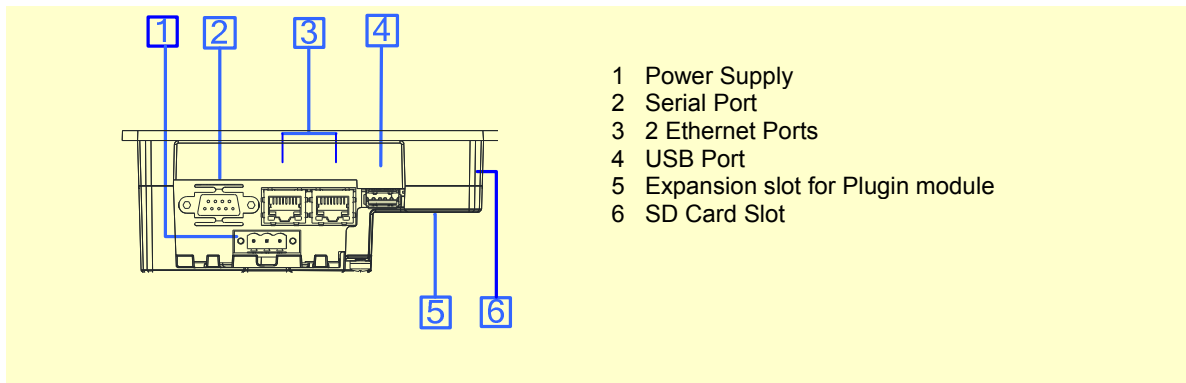
Technical Data

Display Type Resolution Active display area Colors Backlight Brightness Dimming	TFT 480x272 pixel 4.3" diagonal (95.4x53.9 mm) 64K LED 150 cd/m ² typ. Yes	Screen saver Buzzer	Yes Yes, audible feedback for touchscreen
System Resources Operating System User memory RAM	Microsoft Windows CE 6.0 128 MB Flash 256MB DDR	Ratings Power supply voltage Current consumption Fuse Weight Battery	24 Vdc (10 to 32 Vdc) 0.55A at 24Vdc(max.) Automatic Approx 1.0 Kg Rechargeable Lithium battery, not user-replaceable
Operator Interface Touchscreen LED indicators	Analog resistive 1 (dual color)	Environmental Conditions Operating temperature Storage temperature Operating and storage humidity Protection class	0 to 50 °C (vertical installation) -20 to +70 °C 5 – 85 % relative humidity, non-condensing IP66 (front) IP20 (rear)
Interface Ethernet USB Serial Expansion Slot Memory Card	2 10/100 Mbit with integrated Switch 1 Host interfaces v.2.0 RS-232, RS-485, RS-422, software configurable 1 Optional Plugin SD Card Slot	Dimensions Faceplate LxH Cutout AxB Depth D+T	147x107 mm (5.78x4.21") 136x96 mm (5.35x3.78") 56 + 4mm (2.40+0.16")
Functionality 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	Yes, includes SVG support Yes. Visibility, opacity, 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	Approvals CE DNV UL C-Tick	Emission EN 61000-6-4 Immunity EN 61000-6-2 for installation in industrial environments DNV Type Approval Certificate UL508 Listed Haz. Loc. Class I, Division 2, Groups A,B,C and D. C-Tick mark

Dimensions



Connections



- 1 Power Supply
- 2 Serial Port
- 3 2 Ethernet Ports
- 4 USB Port
- 5 Expansion slot for Plugin module
- 6 SD Card Slot

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-Silver	ETOP504U2P1	4.3" TFT color touchscreen panel with Ethernet interface. Silver 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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