

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

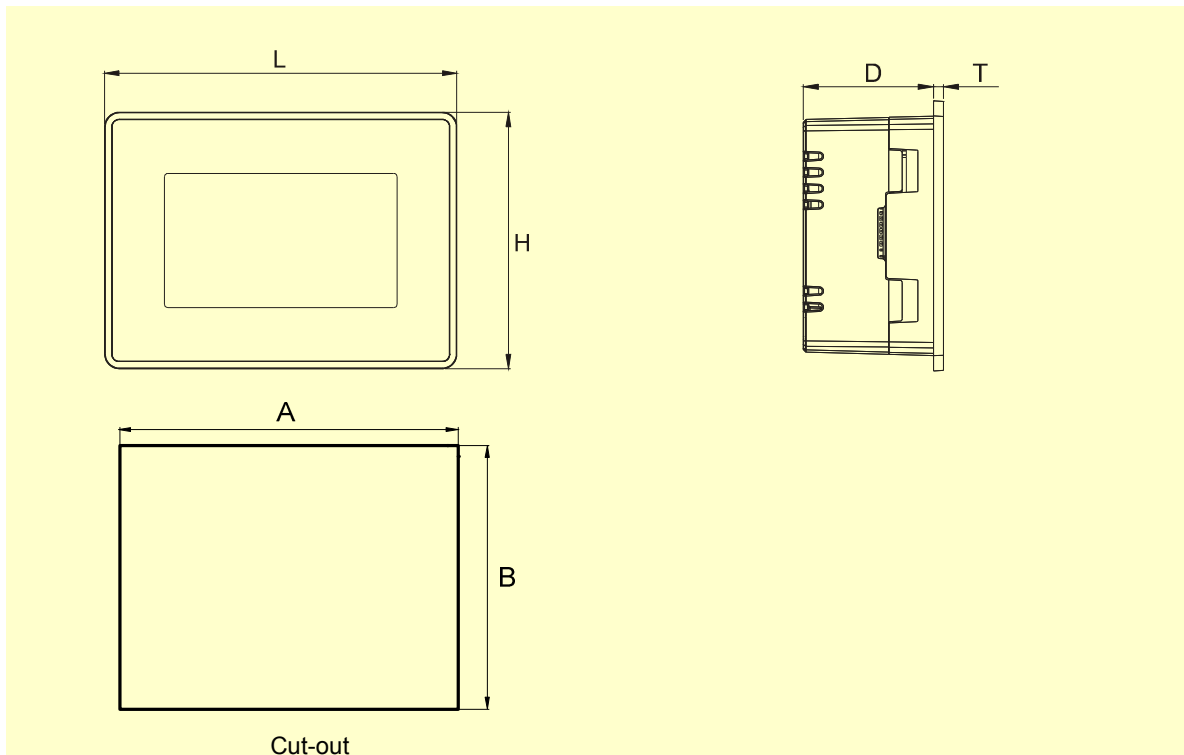
The eTOP Series 500 HMI panels have been designed to run the JMobile software.

- 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

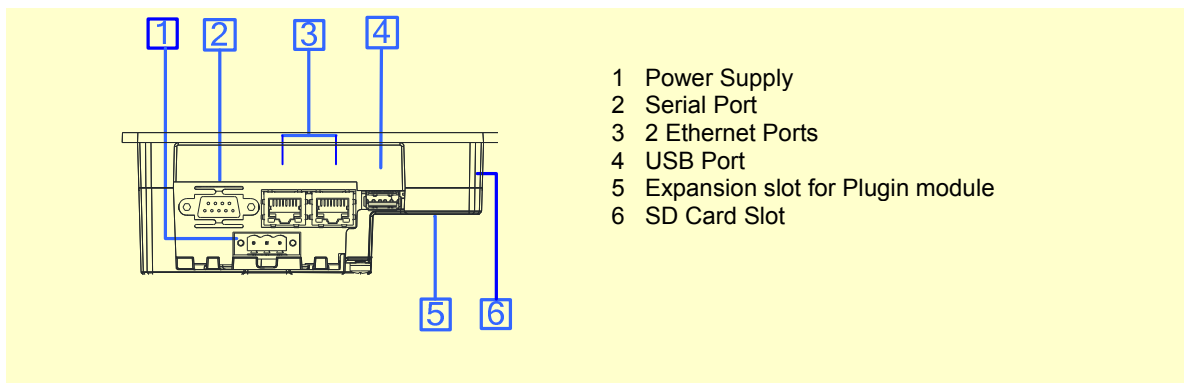
Technical Data

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

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-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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Ver. 1.5

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