Tech-note

UniOP eTOP607M

eTOP Series 600 HMI products combine state-of-the-art features and top performance with an oustanding design. They are the ideal choice for all demanding HMI applications including factory and building automation.

The glass projected capacitive touchscreen and the brilliant 7" widescreen display with resolution of 800x480 guarantee great optical performance and are up to the most demanding user interface requirements thanks to the high-speed CPU and the delivery configuration that includes 256MB Flash memory.

The JMobile software offers full vector graphic and plenty of connectivity options.

- 7" TFT color display, resolution 800x480 pixel, 64K colors
- LED backlight dimmable to 0%
- Projected capacitive touchscreen. True glass design
- 2 Ethernet ports with switch function
- 2 USB Host ports
- SD Card slot
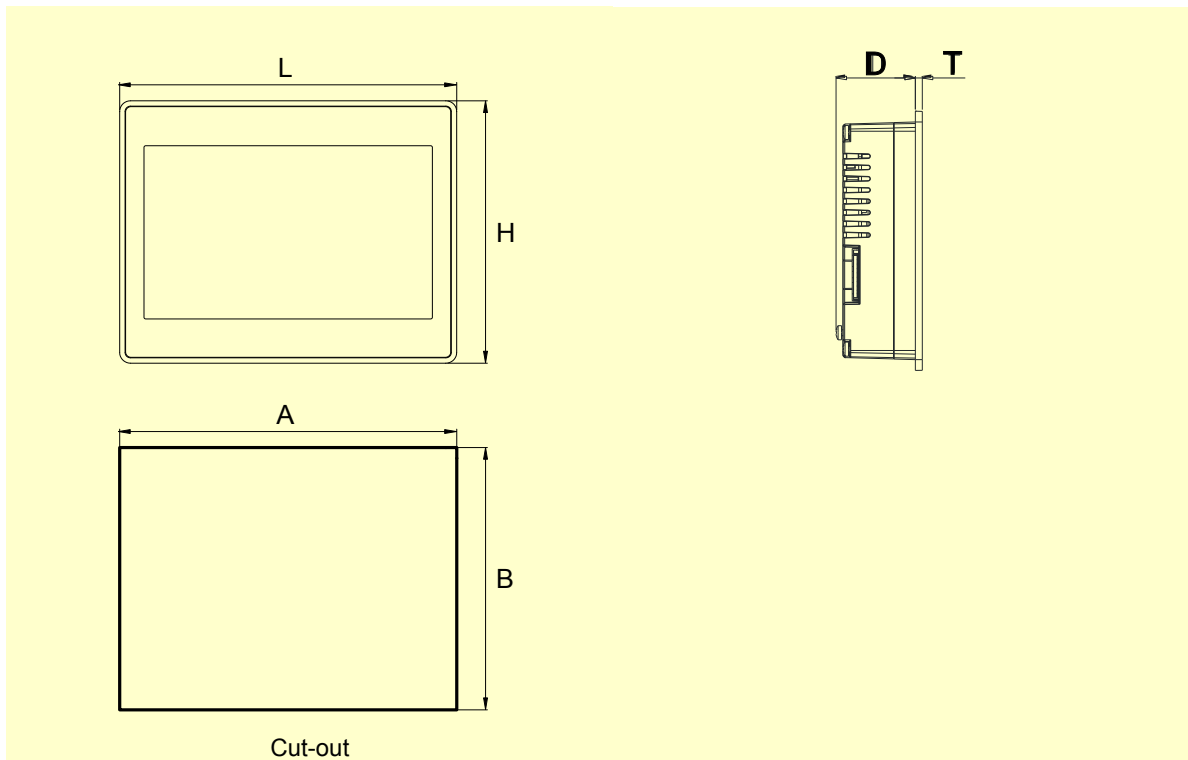- Plug-in modules for system expansion

Highlights

The eTOP Series 600 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. Trasparency and alpha blending.
- Full object dynamics: control visibility and transparency, move, resize, rotate objects 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.
- Rich set of state-of-the-art HMI features: graphical presentation of data presentation, data acquisition, alarm handling, scheduler and timed actions (daily and weekly schedulers, exception dates), recipe data storage, user

passwords, e-mail and RSS feeds, rotating menus.
- Includes support for a wide selection of communication drivers for factory automation and building automation.
- 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 of the HMI application with JMobile Studio.
- Powerful scripting language for automating HMI applications. Script debugging improves efficiency in application development.
- Create and print reports to printers and to file (PDF format).
- Page templates to simplify application design.
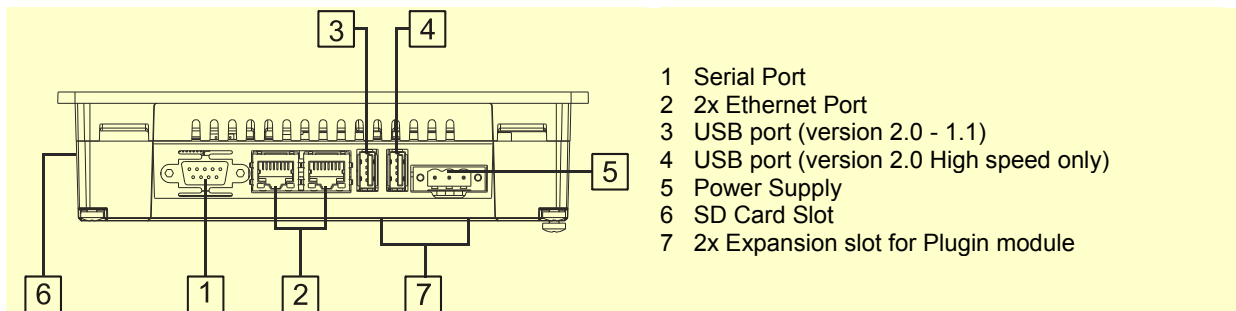- Rich gallery of symbols and objects.
- PDF reader

AUDIN - 8, avenue de la malle - 51370 Saint Brice Courcelles - Tel : 03.26.04.20.21 - Fax : 03.26.04.28.20 - Web : http: www.audin.fr - Email : info@audin.fr

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Technical Data

Display

Type	TFT
Resolution	800x480, WVGA
Active display area	7" diagonal
Colors	64K
Backlight	LED
Brightness	300 Cd/m^2 typ.
Dimming	Dimmable to 0%

System Resources

Operating System	Microsoft Windows CE 6.0
User memory	256 MB Flash
RAM	256 MB DDR

Operator Interface

Touchscreen	Projected capacitive
LED indicators	-

Interface

Ethernet	2 10/100 Mbit with integrated Switch
USB	2 Host Interfaces (1x version 2.0, 1x version 2.0 and 1.1)
Serial	RS-232, RS-485, RS-422, software configurable
	Max 2 serial ports with optional plug-in modules.
Memory Card	SD Card slot
Expansion	2 slots for optional plug-in modules

Functionality

Hardware Real Time Clock	Yes, with battery back-up
Screen saver	Yes
Buzzer	Yes, audible feedback for touchscreen

Ratings

Power supply voltage	24 Vdc (10 to 32 Vdc)
Current consumption	0.6 A at 24Vdc(max.)
Fuse	Automatic
Weight	Approx 1.3 Kg

Battery	Rechargeable Lithium battery, not user-replaceable

Environmental Conditions

Operating temperature	-20° 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)

Dimensions

Faceplate LxH	187x147 mm (7.36x5.79")
Cutout AxB	176x136 mm (6.93x5.35")
Depth D+T	47+8 mm (1.85+0.31")

Approvals

CE	Emission EN 61000-6-4 Immunity EN 61000-6-2 for installation in industrial environments
DNV Pending approval	DNV Type Approval Certificate
ATEX Pending approval	Zone 2/22, II 3G / II 3D
UL Pending approval	UL508 Listed Haz. Loc. Class I, Division 2, Groups A,B,C and D.
C-Tick Pending approval	C-Tick mark

Dimensions

L

H

A

B

Cut-out

D T

Connections

3 4

5

6 1 2 7

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
eTOP607M	+ETOP607MU5P1	7" widescreen TFT color with projected capacitive touchscreen. Ethernet, serial and USB interfaces. JMobile runtime.

VICPAS®.com
Everything for your HMI running
✉ sales@vicpas.com
+86-15876525394

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