Tech-note

UniOP eTOP06

The eTOP06 is a low-cost HMI device with touchscreen interface and a state-of-the-art 5.7” TFT display with LED backlight. The brilliant display, the compact size and the industry-standard 1/4 VGA resolution make it an attractive solution where space is a premium without compromising performance.

- 5.7” TFT color display
- LED backlight
- 320x240 resolution
- Resistive touchscreen
- Connection to industrial bus systems and Ethernet (requires optional plug-in modules)
- 32 MB user memory
- Compatible with local I/O

Highlights

The eTOP HMI panels are part of the UniOP family of touchscreen products. All of the eTOP products support the rich common functionalities of the UniOP operator panels:

- Powerful and intuitive programming with the UniOP Designer 6 software
- Support of more than 150 communication drivers for industrial devices
- Optional modules for fieldbus systems (Profibus DP, CANopen, DeviceNet, Interbus) and Ethernet. Ethernet modules allow connection to field devices as well as programming the HMI from Designer.
- Dual-driver communication capability
- Display dynamic data in numerical, text, bargraph and graphic image formats
- Data acquisition and trend presentation. Trend data can be transferred to an host computer using the Ethernet connection.
- Analog gauge objects
- Recipe data storage. Recipe data can be transferred to an host computer using the Ethernet connection.
- Multilanguage applications. The number of runtime languages is limited only by the available memory. All text information in the application can be exported in Unicode format for easier translation.
- Powerful macro editor to configure touchscreen operation
- Alarms and historical alarm list. Alarm and event information can be printed or transferred to an host computer using the Ethernet connection.
- Eight level password protection.
- Report printing to serial printer. Reports are freely configurable using Designer.
- Ethernet-based UniNet network to share data between UniOP HMIs and to serve data using UniNet OPC Server.

Technical Data

Display	
Type	TFT
Resolution	320x240 pixel
Active display area	115x86 mm (5.7” diagonal)
Colors	256
Backlight	LED
Brightness	130 Cd/m^2 typ.
Dimming	No
Memory	
User memory	32 MB Flash Card
Alternate User memory	-
Front panel	
Touch screen	Analog resistive
Function keys	1
System keys	-
User LED indicators	1
System LED indicators	4
Interfaces	
PC/Printer port	Yes
PLC port	RS-232, RS-485, RS-422, 20 mA Current Loop
Aux port (fieldbus and Ethernet)	Yes, with optional modules
DX port (video input)	No
Serial programming speed	9600 – 38400 bps
Local I/O	Yes, with optional modules
Functionality	
Vector graphics	No
Dual driver capability	Yes
Video input	No
Data acquisition and trends	Yes
Recipe memory	32 KB
UniNet network	Client/Server
Alarms	1024
Event list	1024
Password	Yes
Hardware RTC	Yes, with battery back-up
Screen saver	Yes
Buzzer	Yes, audible feedback for touch screen
Ratings	
Power supply voltage	24 V DC (18 to 30 Vdc)
Current consumption	0.5A at 24Vdc (max.)
Fuse	Automatic
Weight	Approx 1.4 Kg
Battery	3 V 285 mA Lithium, non rechargeable, user replaceable, RENATA model CR2430. Replace with same component or equivalent.
Environmental Conditions	
Operating temperature	0 to 50 °C
Storage temperature	-20 to +70 °C
Operating and storage humidity	5 – 85 % RH non-condensing
Protection class	IP65 (front panel) IP20 (rear)
Dimensions	
Faceplate LxH	187x147 mm (7.36x5.79“)
Cutout AxB	176x136 mm (6.93x5.35 “)
Mounting depth (type 0050)	91 mm (3.58”)
Approvals	
CE	Emission EN 61000-6-4 Immunity EN 61000-6-2 for installation in industrial environments

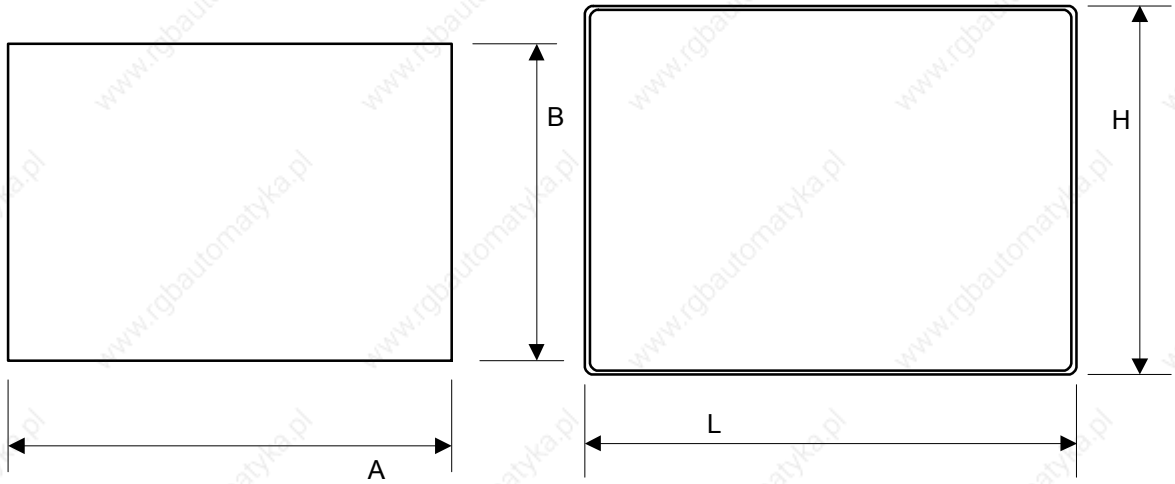

Figure 1 – Cutout and front view

Ordering Information

eTOP06-0050	5.6” 1/4 VGA TFT color panel with touchscreen. Compatible with local I/O
PROT-03	Disposable protection foil for 5.6" eTOP touch panels (10 pieces)