

## 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 a host computer using the Ethernet connection.
- Analog gauge objects
- Recipe data storage. Recipe data can be transferred to a 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 a 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 <sup>2</sup> 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)<br>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<br>EN 61000-6-4<br>Immunity<br>EN 61000-6-2<br>for installation in industrial environments |
|----|---|

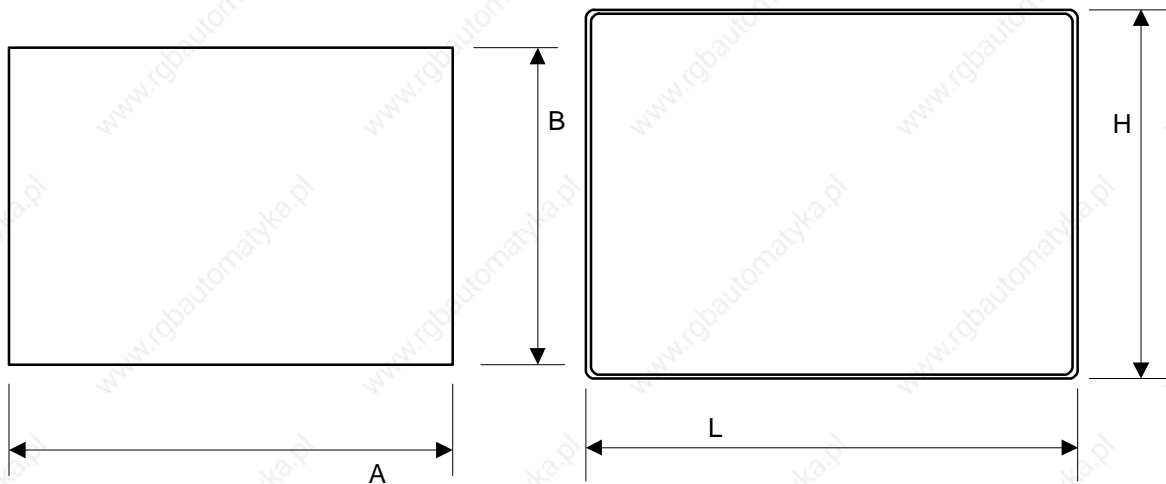


Figure 1 – Cutout and front view

## 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)

Tn266

Ver. 1.2

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tn266-2.doc - 21.02.2008

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