

## UniOP eTOP59C

The eTOP59C is a state-of-the-art HMI device featuring a high-brightness sunlight-readable 15" TFT color display with XVGA (1024x768) resolution and resistive touchscreen. This product has been specifically designed for use under extreme illumination conditions. Support for 64K colors in the brilliant TFT display will increase the realism of the images. The integrated 10/100 Ethernet interface makes connectivity in complex control systems much more efficient.



- 15" TFT color display
- High brightness
- XVGA (1024x768 pixel) resolution
- 64K colors
- Sunlight-readable
- Resistive touchscreen
- 10/100 Ethernet interface
- Connection to industrial bus systems (requires optional plug-in modules)
- Compatible with video input module
- 64 MB internal user memory

### 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 130 communication drivers for industrial devices
- Integrated Ethernet port for connection to field devices as well as programming the HMI from Designer.
- Optional modules for fieldbus systems (Profibus DP, CANopen, DeviceNet, Interbus).
- Dual-driver communication capability
- Vector graphic capabilities including the support of multiple layers and object transparency.
- Video input option
- 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

<b>Display</b>		Recipe memory	32 KB
Type	TFT	UniNet network	Client/Server
Resolution	XVGA, 1024x768 pixel	Alarms	1024
Active display area	304x228 mm (15" diagonal)	Event list	1024
Colors	64K	Password	Yes
Backlight	CCFL, 50000 h <sup>(note 1)</sup>	Hardware RTC	Yes, battery backed
Brightness	650 cd/m <sup>2</sup> typ.	Screen saver	Yes
Dimming	Yes	Buzzer	Yes, audible feedback for touch screen
<b>Memory</b>		Battery	3 V 270 mA Lithium, non rechargeable, user replaceable, model CR2430. Replace with same component or equivalent compatible with the operating temperature of the product.
User memory	64 MB internal Flash		
User memory expansion	Optional removable 32/64 MB SSFDC memory card		
<b>Front panel</b>		<b>Ratings</b>	
Touch screen	Analog resistive	Power supply voltage	18 - 30 VDC
Function keys	1	Current consumption	Max 1.7 A at 24 VDC
System keys	-	Fuse	Automatic
User LED's	1	Weight	Approx 4.2 Kg
System LED's	4		
<b>Interfaces</b>		<b>Environmental Conditions</b>	
PC/Printer port	Yes	Operating temperature	0 to 45 °C
PLC port	RS-232, RS-485, RS-422, 20 mA Current Loop	Storage temperature	-20 to +70 °C
Ethernet port	10/100 Mbit	Operating and storage humidity	5 – 85 % RH non-condensing
Aux port (fieldbus)	Yes, with optional modules	Protection class	IP65 (front panel)
DX port (video input)	Yes		
Serial programming speed	9600 – 38400 bps	<b>Dimensions</b>	
<b>Functionality</b>		Faceplate LxH	392x307 mm (15.43x12.08")
Vector graphics	Yes	Cutout AxB	381x296 mm (15.00x11.65")
Dual driver capability	Yes	Mounting depth (type 0050)	101 mm (3.98")
Video input	Yes		
Data acquisition and trends	Yes		

Note 1: the lamp lifetime is the typical value for continuous operation at 25°C.

The product is designed for installation in industrial environments in compliance with the regulations:

Emitted interference EN 61000-6-4, 2001  
 Noise immunity EN 61000-6-2, 2001

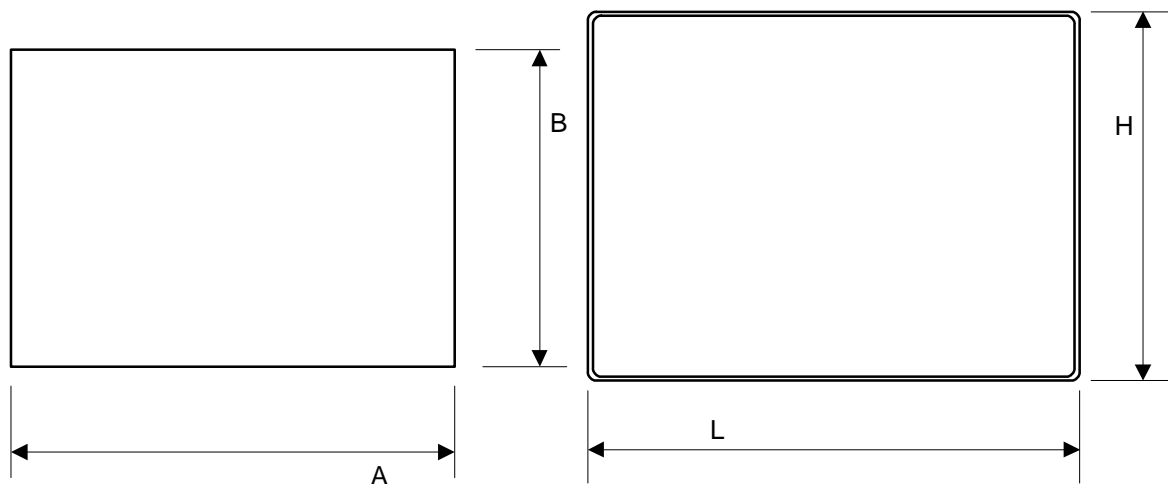


Figure 1 – Cutout and front view

### Ordering Information

eTOP59C-0050  
PROT-06

15" XVGA high-brightness TFT color panel with touchscreen  
Disposable protection foil for 15" eTOP touch panels (10 pieces)

---

**Tn257**

**Ver. 1.1**

**Copyright © 2007 Sitek S.p.A. – Verona, Italy**

Subject to change without notice

The information contained in this document is provided for informational purposes only. While efforts were made to verify the accuracy of the information contained in this documentation, it is provided "as is" without warranty of any kind.

[www.uniop.com](http://www.uniop.com)