

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

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

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

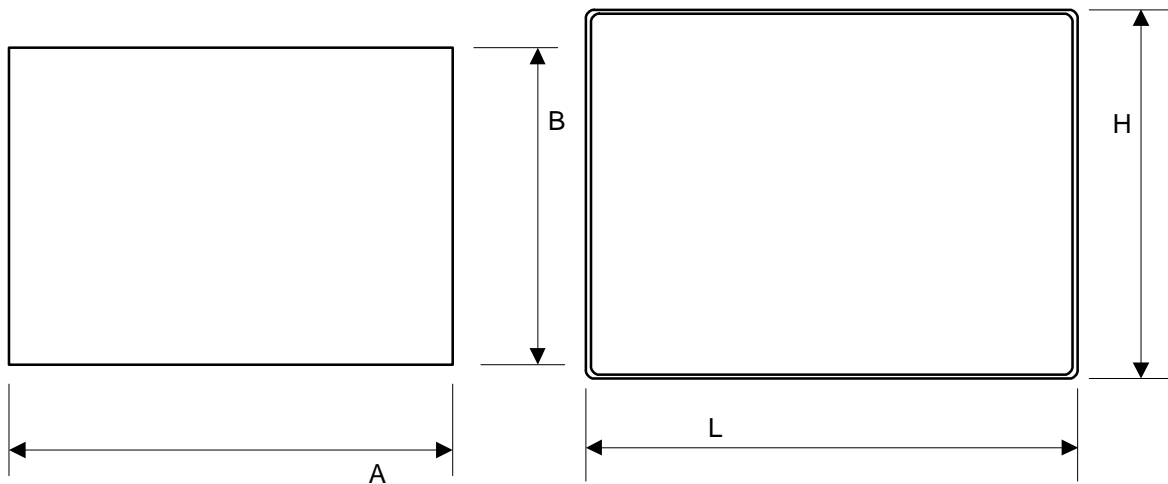


Figure 1 – Cutout and front view

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

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