

UniOP eTOP59C

The eTOP59C is a state-of-the-art HMI device featuring a high-brightness sunlight-readable 15" TFT color display with X VGA (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
- X VGA (1024x768 pixel) resolution
- 64K colors
- Sunlight-readable
- Resistive touchscreen
- 10/100 Ethernet interface
- USB port
- Connection to industrial bus systems using optional plug-in modules
- Compatible with video input module
- 64 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
- Built-in Ethernet port for connection to field devices as well as programming the HMI from Designer.
- USB host port for the connection of flash drives. Flash drives can be used for application upgrade as well as firmware upgrade of the device
- Optional plug-in modules for fieldbus systems and networks (Profibus DP, CANopen, DeviceNet, Interbus, KNX)
- 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, analog gauges and graphic image formats
- Data acquisition and trend presentation. Trend data can be transferred to a host computer using the Ethernet connection.
- Recipe data storage. Recipe data can be transferred to a host computer using the Ethernet connection or copied to flash drives via USB 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.
- 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.

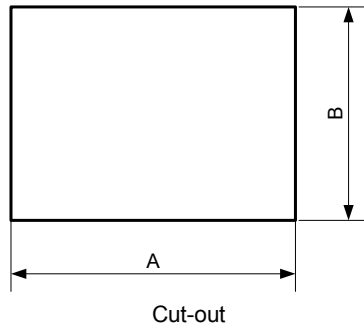
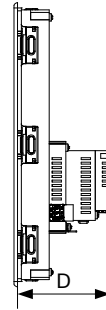
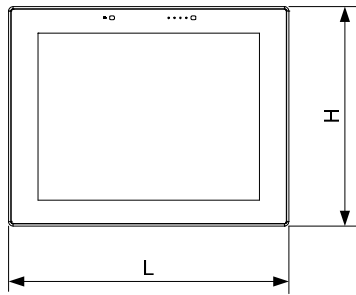
Technical Data

Display		UniNet network	
Type	TFT	Alarms	Client/Server
Resolution	XGA, 1024x768 pixel	Event list	1024
Active display area	304x228 mm (15" diagonal)	Password	Yes
Colors	64K	Hardware RTC	Yes, battery back-up
Backlight	CCFL, 50000 h ^(note 1)	Screen saver	Yes
Brightness	650 Cd/m ² typ.	Buzzer	Yes, audible feedback for touch screen
Dimming	Yes		
Memory		Ratings	
User memory	64 MB internal Flash	Power supply voltage	24 V DC (18 to 30 Vdc)
Alternate User memory	Optional removable 32/64 MB SSFDC memory card	Current consumption	1.7A at 24Vdc(max.)
		Fuse	Automatic
		Weight	Approx 4.2 Kg
		Battery	3 V 285 mA Lithium, non rechargeable, user replaceable, RENATA model CR2430. Replace with same component or equivalent.
Front panel		Environmental Conditions	
Touch screen	Analog resistive	Operating temperature	0 to 45 °C
Function keys	1	Storage temperature	-20 to +70 °C
System keys	-	Operating and storage humidity	5 – 85 % RH non-condensing
User LED's	1	Protection class	IP65 (front panel) IP20 (rear)
System LED's	4		
Interfaces		Dimensions	
PC/Printer port	Yes, RS-232	Faceplate LxH	392x307 mm (15.43x12.08")
PLC port	RS-232, RS-485, RS-422, 20 mA Current Loop	Cutout AxB	381x296 mm (15.00x11.65 ")
Ethernet port	10/100 Mbit	Mounting depth D	101 mm (3.98")
USB port	Host version 1.1 ⁽¹⁾		
Aux port (fieldbus)	Yes, with optional modules		
DX port (video input)	Yes		
Serial programming speed	9600 – 38400 bps		
Local I/O	Yes, with optional modules		
Functionality		Approvals	
Vector graphics	Yes	CE	Emission
Dual driver capability	Yes		EN 61000-6-4
Video input	Yes		Immunity
Data acquisition and trends	Yes		EN 61000-6-2
Recipe memory	Yes. Flash memory storage limited only by available memory ⁽¹⁾		for installation in industrial environments

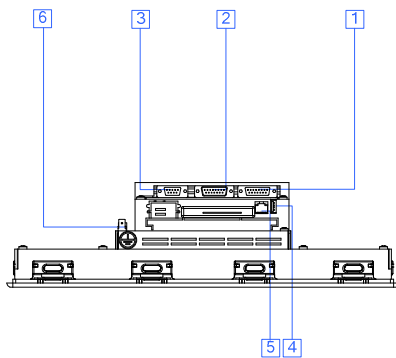
Note 1: the lamp lifetime is the typical value for continuous operation at 25°C.

Note 2: operation of the built-in USB interface and recipe storage to flash memory require an appropriate firmware version and use of Designer 6.07 or higher.

Dimensions



Connections



- 1 PC/Printer Port
- 2 PLC Port
- 3 Aux Port
- 4 USB Port
- 5 Ethernet Port
- 6 Power Supply

Ordering Information

eTOP59C-0050
PROT-06

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

Tn257

Ver. 1.2

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