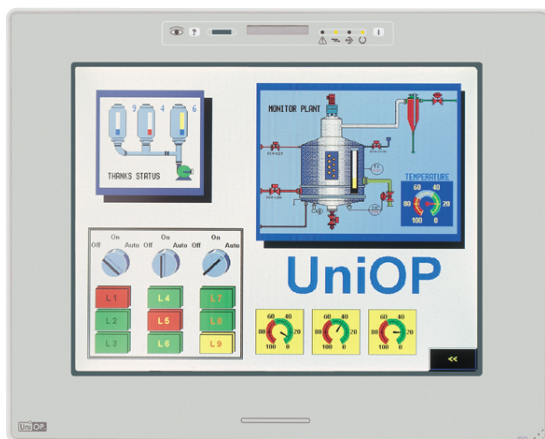


UniOP eTOP33B

The eTOP33B is a state-of-the-art HMI device with touchscreen interface and 10.4" TFT color graphic display. Support for 64K colors in the brilliant TFT display will increase the realism of the images. The VGA resolution makes it the ideal choice for high-end HMI applications.



- 10.4" TFT color display
- VGA (640x480 pixel) resolution
- 64K colors
- Resistive touchscreen
- Connection to industrial bus systems and Ethernet (requires optional plug-in modules)
- Compatible with video input module
- 32 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
- 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
- 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	VGA, 640x480 pixel	UniNet network	Client/Server
Active display area	218x159 mm (10.4" diagonal)	Alarms	1024
Colors	64K	Event list	1024
Backlight	CCFL, 50000 h ^(note 1)	Password	Yes
Brightness	450 cd/m ² typ.	Hardware RTC	Yes, battery backed
Dimming	Yes	Screen saver	Yes
Memory		Buzzer	Yes, audible feedback for touch screen
User memory	32 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 MB SSFDC memory card		
Front panel			
Touch screen	Analog resistive	Ratings	
Function keys	1	Power supply voltage	24 V DC (18 to 30 V DC)
System keys	-	Current consumption	Max 0.7 A at 24 VDC
User LED's	1	Fuse	Automatic
System LED's	4	Weight	Approx 2.3 Kg
Interfaces		Environmental Conditions	
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
Aux port (fieldbus and Ethernet)	Yes, with optional modules	Operating and storage humidity	5 – 85 % RH non-condensing
DX port (video input)	Yes	Protection class	IP65 (front panel)
Serial programming speed	9600 – 38400 bps	Dimensions	
Functionality		Faceplate LxH	287x232 mm (11.30x9.14")
Vector graphics	Yes	Cutout AxB	276x221 mm (10.87x8.70")
Dual driver capability	Yes	Mounting depth (type 0050)	91 mm (3.58")
Video input	Yes	Max panel thickness	5 mm (0.2")
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

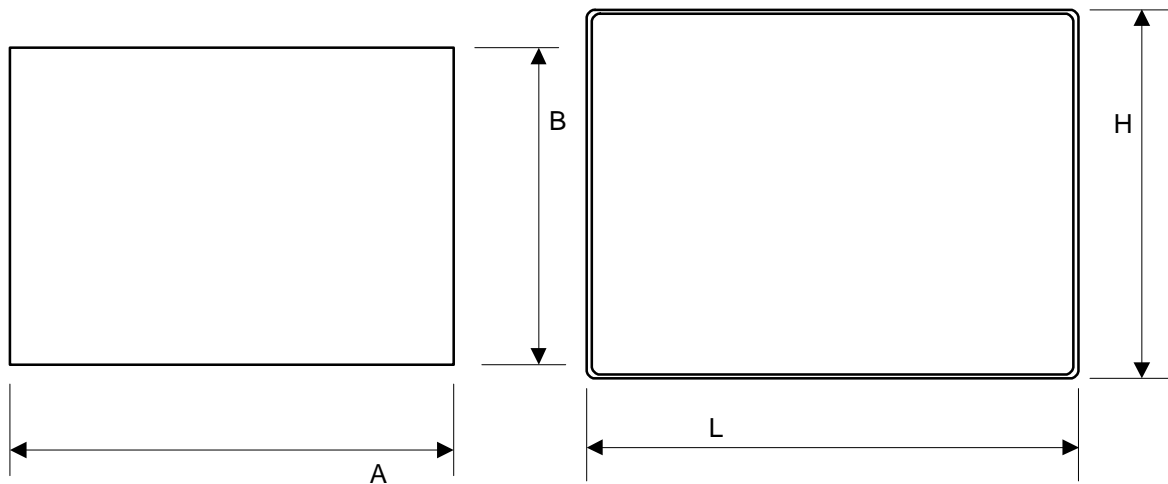


Figure 1 – Cutout and front view

Ordering Information

eTOP33B-0050

10.4" VGA TFT color panel with touchscreen

Tn216

Ver. 1.00

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Subject to change without notice

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UniOP eTOP33B