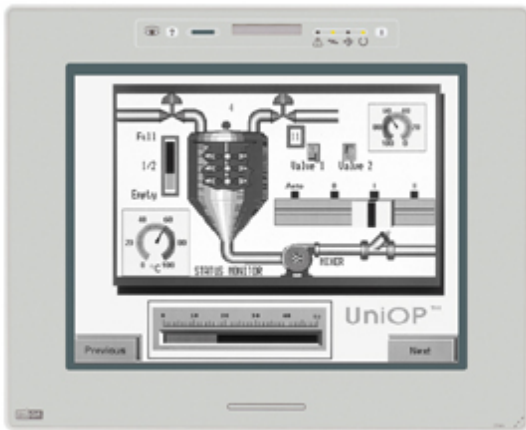# UniOP eTOP32B

The eTOP32B is a cost-effective HMI device with touchscreen interface and 9.6" monochrome LCD display. The VGA resolution makes it the ideal choice for HMI applications demanding a large display on a limited budget.

- 9.6" monochrome display
- VGA (640x480 pixel) resolution
- Resistive touchscreen
- Connection to industrial bus systems and Ethernet (requires optional plug-in modules)
- 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.
- 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

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.

Tech-note

Technical Data

Display
Type	Monochrome LCD
Resolution	VGA, 640x480 pixel
Active display area	196x147 mm (9.6"diagonal)
Colors	-
Backlight	CCFL
Brightness	100 cd/m^2 typ.
Dimming	-

Memory
User memory	32 MB internal Flash
User memory expansion	Optional removable 32 MB SSFDC memory card

Front panel
Touch screen	Analog resistive
Function keys	1
System keys	-
User LED's	1
System LED's	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

Functionality
Vector graphics	Yes
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, battery backed
Screen saver	Yes
Buzzer	Yes, audible feedback for touch screen
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.

Ratings
Power supply voltage	24 V DC (18 to 30 V DC)
Current consumption	Max 0.7 A at 24 VDC
Fuse	Automatic
Weight	Approx 2.3 Kg

Environmental Conditions
Operating temperature	0 to 45 °C
Storage temperature	-20 to +70 °C
Operating and storage humidity	5 – 85 % RH non-condensing
Protection class	IP65 (front panel)

Dimensions
Faceplate LxH	287x232 mm (11.30x9.14")
Cutout AxB	276x221 mm (10.87x8.70")
Mounting depth (type 0050)	91 mm (3.58")

The product is designed for installation in industrial environments in compliance with the regulations:
Emitted interference   EN 61000-6-4, 2001
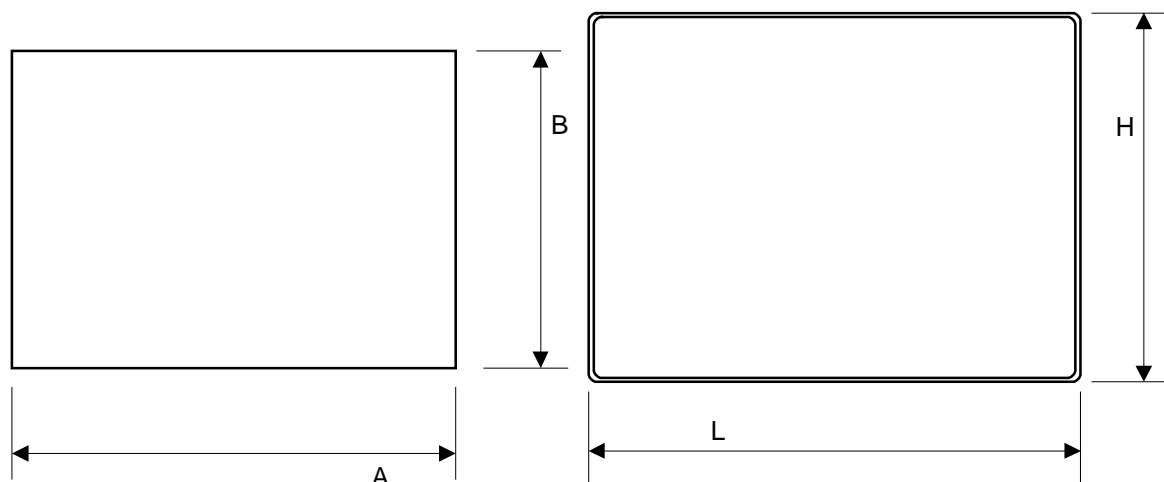Noise immunity   EN 61000-6-2, 2001

Figure 1 – Cutout and front view

Ordering Information

eTOP32B-0050	9.6" VGA monochrome panel with touchscreen
PROT-04	Disposable protection foil for 10.4" eTOP touch panels (10 pieces)

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