# UniOP eTOP03

The eTOP03 is a low-cost HMI device with touchscreen interface and 3.8" monochrome graphic display. The very compact size and the 1/4 VGA resolution make it the optimal solution for a tight budget without compromising quality and performance. Portrait mode (vertical mode) operation enhances the flexibility and makes the product suitable to even more application areas.
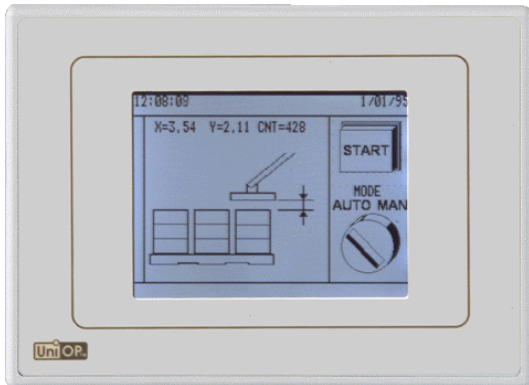
- 3.8" monochrome display with white LED backlight
- 1/4 VGA (320x240 pixel) resolution
- Portrait mode operation
- Resistive touchscreen
- Connection to industrial bus systems and Ethernet (requires optional plug-in modules)
- 512 KB user memory

Highlights

The eTOP HMI panels are part of the UniOP family of touchscreen products. All of the eTOP products support the rich common functionality of the UniOP operator panels.
The eTOP03 is mechanically compatible with the eTOP02 and with the popular ePAD03-ePAD06 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
- Display dynamic data in numerical, text, bargraph and graphic image formats
- 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	Monochrome LCD
Resolution	¼ VGA, 320x240 pixel
Active display area	3.8" diagonal (77x58 mm)
Colors	-
Backlight	White LED
Brightness	60 cd/m^2 typ.
Dimming	No
Contrast regulation	Software

Memory	
User memory	512 KB Flash
User memory expansion	-

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

Interfaces	
PC/Printer port	-
PLC port	RS-232, RS-485, RS-422
Aux port (fieldbus and Ethernet)	Yes, with optional modules
DX port (video input)	No
Serial programming speed	9600 – 38400 bps

Functionality	
Vector graphics	No
Dual driver capability	Yes
Video input	No
Data acquisition and trends	No

Recipe memory	32 KB
UniNet network	Client/Server
Alarms	1024
Event list	256
Password	Yes
Hardware RTC	Yes, battery backed
Screen saver	Yes
Buzzer	-
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 0.4 A at 24 VDC
Fuse	Automatic
Weight	Approx 1 Kg

Environmental Conditions	
Operating temperature	0 to 50 °C
Storage temperature	-20 to +70 °C
Operating and storage humidity	5 – 85 % RH non-condensing
Protection class	IP65 (front panel)

Dimensions	
Faceplate LxH	149x109 mm (5.86x4.29")
Cut-out AxB	136x96 mm (5.35x3.78")
Mounting depth (type 0046)	61 mm (2.40")

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
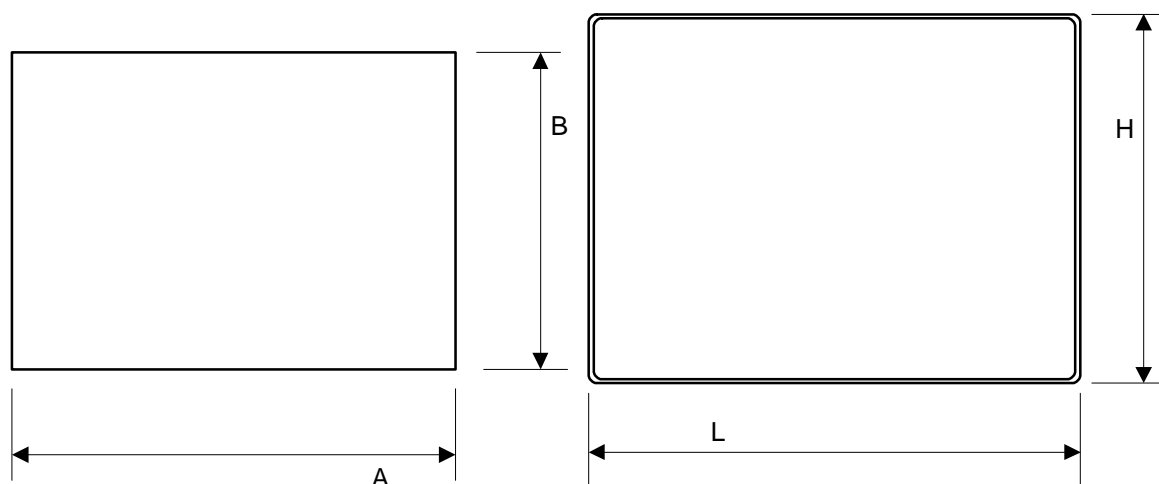
Figure 1 – Cut-out and front view

Ordering Information

eTOP03-0046	3.8" ¼ VGA monochrome graphic HMI with touchscreen
PROT-07	Disposable protection film for 3.5"/3.8" eTOP touch panels (10 pieces)

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UniOP eTOP03