

UniOP eTOP04C

The eTOP04C is a compact HMI device with touchscreen interface and a high-resolution 4.3" widescreen TFT display. The built-in 100Mb Ethernet interface enhances its communication capability. It is the ideal solution for applications where low cost and small size, without compromising performance, are a requirement.



- 4.3" TFT color display
- 256 colors
- 480x272 pixel resolution
- Portrait mode operation
- Resistive touchscreen
- 2 MB user memory
- Ethernet interface
- USB port
- Connection to industrial bus systems (requires optional plug-in modules)

Highlights

The eTOP04C panel is a compact and low-cost product. It supports the rich common functionality 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
- Integrated 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 modules for fieldbus systems (Profibus DP, CANopen, DeviceNet, Interbus).
- Dual-driver communication capability; dual serial communication configurations are possible with the use of the optional TCM15/TCM16 modules.
- Advanced graphic capabilities
- Optimize mounting space and options with the portrait mode 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 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 using the Ethernet connection.
- Eight level password protection.
- Ethernet-based UniNet network to share data between UniOP HMIs and to serve data using UniNet OPC Server.



Technical Data

Display	
Type	TFT
Resolution	480x272 pixel
Active display area	4.3" diagonal (95.4x53.9 mm)
Colors	256
Backlight	LED
Brightness	120 cd/m ² typ.
Dimming	Yes

Memory	
User memory	2 MB internal Flash
Alternate User memory	-

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
Ethernet port	100 Mbit
USB port	Host version 1.1
Aux port (fieldbus)	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	No
Battery	Rechargeable Lithium battery, not user-replaceable

Ratings	
Power supply voltage	24 V DC (18 to 30 V DC)
Current rating	0.4 A at 24 VDC
Fuse	Automatic
Weight	Approx 1.0 Kg

Environmental Conditions	
Operating temperature	0 to 50 °C (vertical mounting)
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")
Cutout AxB	136x96 mm (5.35x3.78")
Mounting depth	56 mm (2.40")

Approvals	
CE	Emission EN 61000-6-4 Immunity EN 61000-6-2 for installation in industrial environments

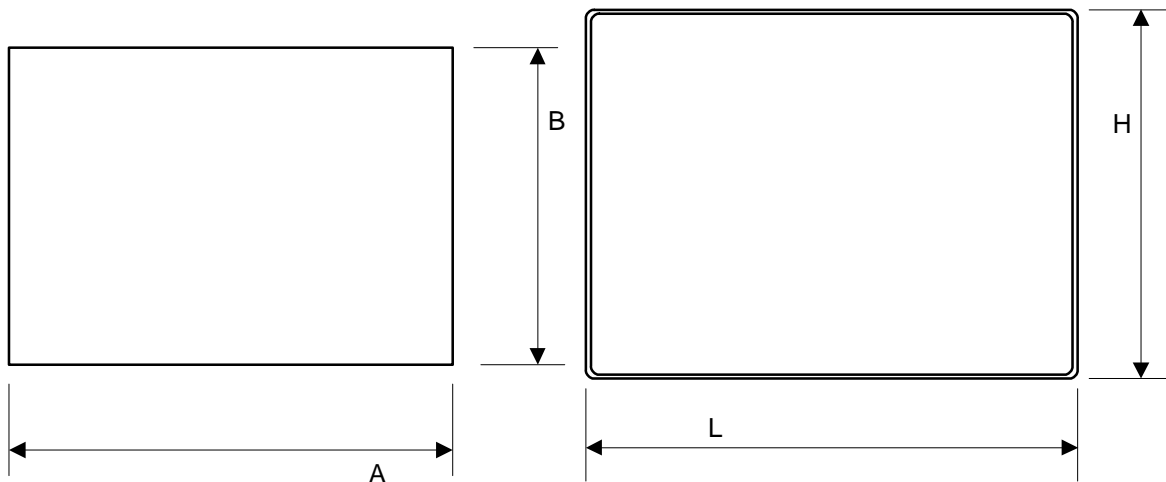


Figure 1 – Cutout and front view

Ordering Information

eTOP04C
PROT-07
TCM15
TCM16

4.3" 1/4 VGA TFT color touchscreen panel with Ethernet interface
Disposable protection film for 3.5"/3.8" eTOP touch panels (10 pieces)
Add-on module for serial expansion RS-232
Add-on module for serial expansion RS-485

ptn0302
Ver. 1.0

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ptn0302-0.doc - 11.02.2009
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