Tech-note

UniOP eTOP306

The UniOP eTOP Series 300 combines state-of-the-art features and performance with an oustanding design. They are the ideal choice for HMI applications including factory and building automation. The eTOP306 features a bright 5.7” TFT display with LED backlight and full vector graphic capabilities. Connections include Ethernet and USB. The eTOP306 has been designed for cost-sensitive applications.

- 5.7” TFT color display, LED backlight
- 320x240 pixel (QGA) resolution, 64K colors
- Advanced vector graphics
- Resistive touchscreen
- 64 MB user memory
- 10/100 Ethernet interface
- USB interface
- Connection to bus systems using optional plug-in modules
- Slim design. Mounting depth less than 50mm

Highlights

The eTOP Series 300 HMI panels are fully compatible with UniOP Designer 6 software.

- Powerful and intuitive programming with the UniOP Designer 6 software.
- Supports more than 150 communication drivers.
- Built-in Ethernet port for communication with devices, programming the HMI from Designer and retrieving data from computers.
- USB host port for the connection of flash drives. Flash drives can be used for upgrading applications and firmware.
- Optional plug-in modules for fieldbus systems and networks. Compatible with TCM and SCM modules.
- Dual-driver communication capability.
- Vector graphic capabilities including the support of multiple layers and object transparency.
- Data display in numerical, text, bargraph, analog gauges and graphic image formats. Dynamic object properties supported.
- Data acquisition and trend presentation. Trend data can be transferred to an host computer using the Ethernet connection.
- Recipe data storage. Recipe data can be transferred to an host computer u
  Ethernet connection or copied to flash drives via USB connection.
- Multilanguage applications. Far East languages are supported. The number of runtime languages is limited only by the available memory. All text information in the application can be exported to files 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 an 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.

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Technical Data

Display	
Type	TFT
Resolution	320x240, QVGA
Active display area	5.7” diagonal
Colors	64K
Backlight	LED
Brightness	130 Cd/m^2 typ.
Dimming	Yes
Memory	
User memory	64 MB internal Flash
Front panel	
Touchscreen	Analog resistive
User LED indicators	1
System LED indicators	4
Interfaces	
Ethernet port	10/100 Mbit
USB port	Host interface, version 1.1
PC/Printer port	RS-232, RS-485, RS-422, software configurable
PLC port	RS-232, RS-485, RS-422, software configurable
Aux port	Yes, fieldbus and controller modules
Functionality	
Vector graphics	Yes
Object dynamics (hide/show)	Yes
TrueType fonts	Yes
Dual driver capability	Yes
Video input	No
Data acquisition and trends	Yes
Multilanguage	Yes, number of run-time languages limited only by available memory
Recipe memory	Yes. Flash memory storage limited only by available memory
UniNet network	Client/Server
Alarms	1024
Event list	1024
Password	Yes
Hardware Real Time Clock	Yes, with battery back-up
Screen saver	Yes
Buzzer	Yes, audible feedback for touchscreen
Ratings	
Power supply voltage	24 V DC (18 to 30 Vdc)
Current consumption	0.55 A at 24Vdc(max.)
Fuse	Automatic
Weight	Approx 1.0 Kg
Battery	Rechargeable Lithium battery, not user-replaceable
Environmental Conditions	
Operating temperature	0 to 50 °C
Storage temperature	-20 to +70 °C
Operating and storage humidity	5 – 85 % relative humidity, non-condensing
Protection class	IP65 (front panel) IP20 (rear)
Dimensions	
Faceplate LxH	187x147 mm (7.36x5.79“)
Cutout AxB	176x136 mm (6.93x5.35“)
Depth D+T	45+4 mm (1.77+0.16”)
Approvals	
CE	Emission EN 61000-6-4 Immunity EN 61000-6-2 for installation in industrial environments
UL	UL508 Listed Haz. Loc. Class I, Division 2, Groups A,B,C and D.

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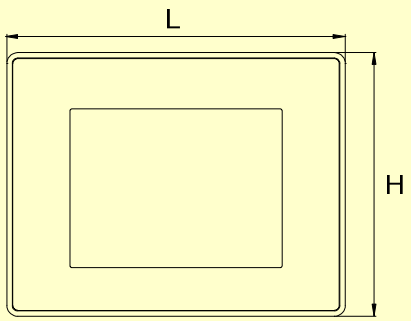
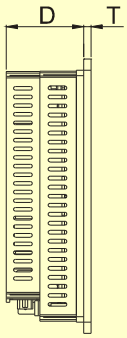
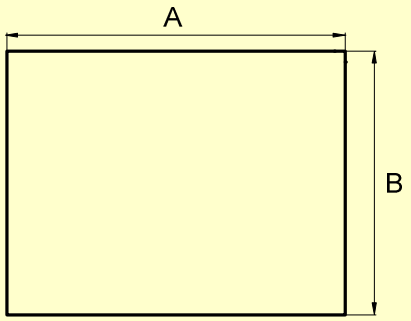
Dimensions

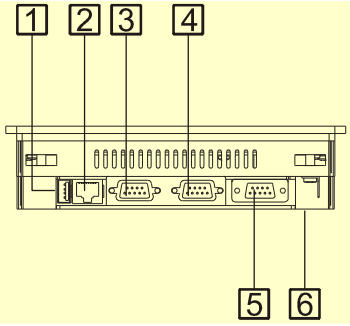






Cut-out

Connections



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

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Ordering Information

eTOP306	ETOP306U101	5.7” TFT color touchscreen with Ethernet and USB interfaces. White front panel.
	ETOP306U201	5.7” TFT color touchscreen with Ethernet and USB interfaces. Silver front panel.
	ETOP306U301	5.7” TFT color touchscreen with Ethernet and USB interfaces. Black front panel.
PROT-12		Disposable protection foil for 5.7” and 7” eTOP touch panels (10 pieces).
PROT-18		Disposable protection foil for 5.7” and 7” eTOP touch panels (10 pieces). UV resistant.

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