EXOR
Tech-note

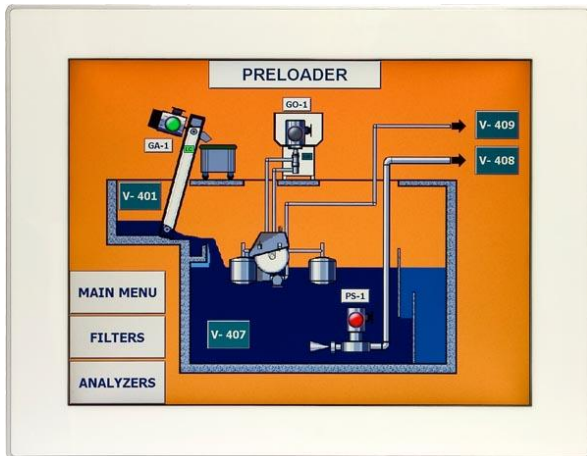# UniOP eTOP315

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 eTOP315 features a bright 15" TFT display with full vector graphic capabilities. This is the ideal product for high-end HMI applications. Connections include Ethernet and USB.

- 15" TFT color display, CCFL backlight
- 1024x768 pixel (XVGA) 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
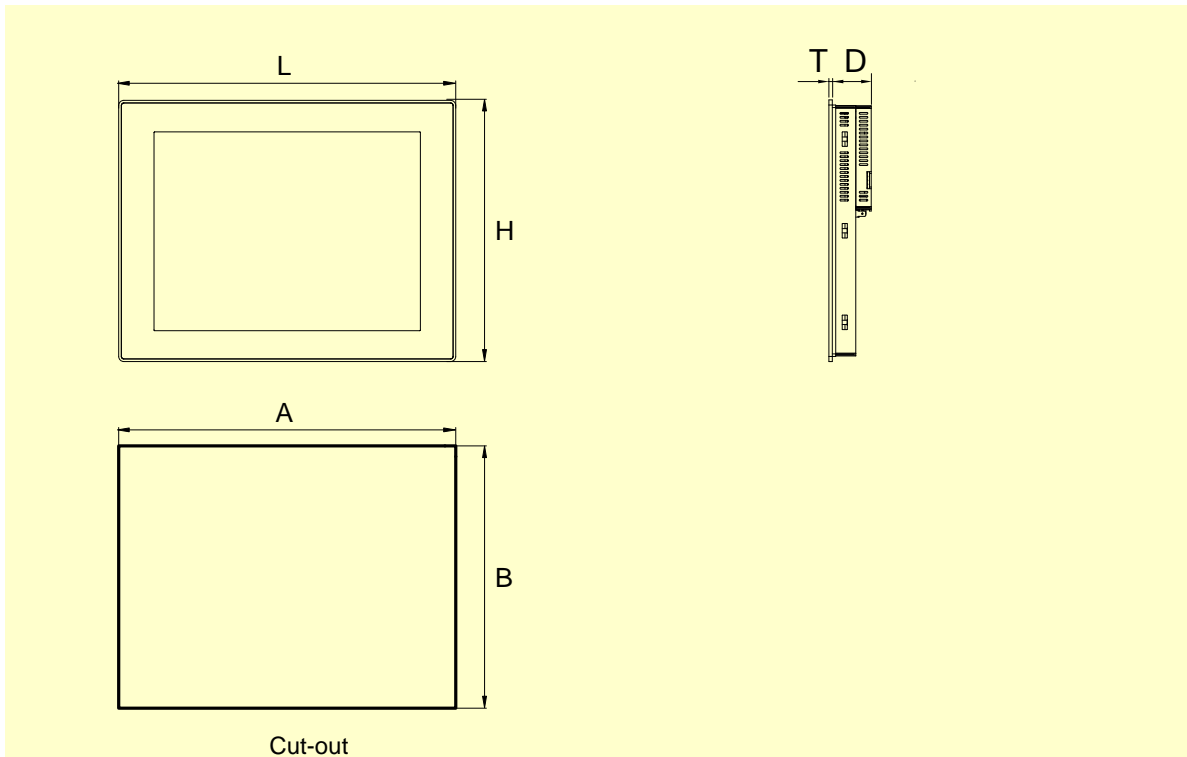- Slim design. Mounting depth less than 50mm

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 using the

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.
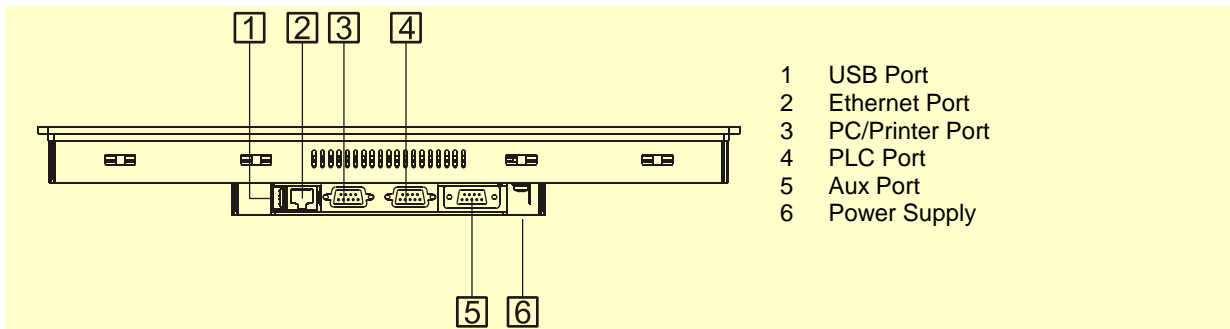
Technical Data

Display

Type	TFT
Resolution	1024x768, XVGA
Active display area	15" diagonal
Colors	64K
Backlight	CCFL
Brightness	250 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 Vdc (18 to 30 Vdc)
Current consumption	1.5 A at 24 Vdc(max.)
Fuse	Automatic
Weight	Approx 3.4 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	392x307 mm
Cutout AxB	381x296 mm
Depth D+T	46mm+5mm

Approvals

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

Dimensions

Cut-out

Connections

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

Ordering Information

Model	Part Number	Description
eTOP315	ETOP315U101	15" TFT color touchscreen with Ethernet and USB interfaces. White front panel.
	ETOP315U201	15" TFT color touchscreen with Ethernet and USB interfaces. Grey front panel.
	ETOP315U301	15" TFT color touchscreen with Ethernet and USB interfaces. Black front panel.
PROT-16		Disposable protection foil for 15" eTOP touch panels (10 pieces).
PROT-22		Disposable protection foil for 15" eTOP touch panels (10 pieces). UV resistant.