

UniOP eTOP312

The UniOP eTOP Series 300 combines state-of-the-art features and performance with an outstanding design. They are the ideal choice for HMI applications including factory and building automation. The eTOP312 features an industry standard 12.1" TFT display with SVGA resolution and full vector graphic capabilities. This is the ideal product for high-end HMI applications. Connections include Ethernet and USB.



- 12.1" TFT color display, CCFL backlight
- 800x600 pixel (SVGA) 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

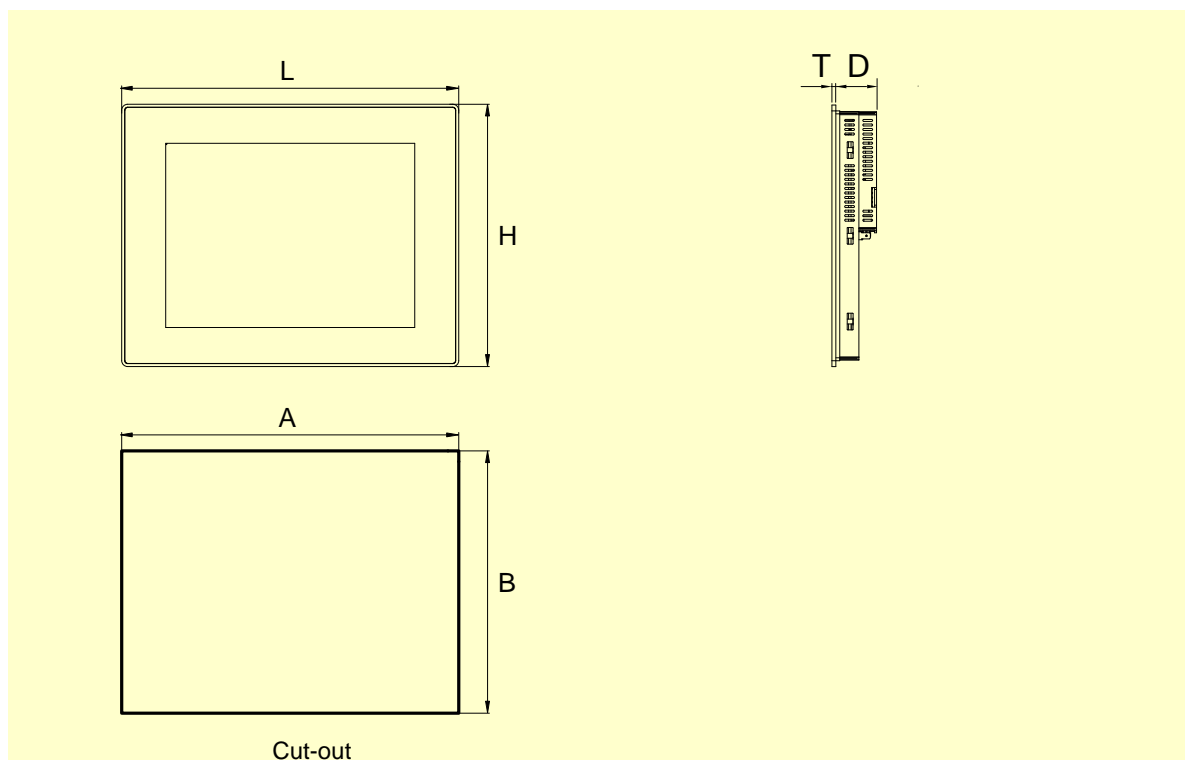
The eTOP Series 300 HMI panels are fully compatible with UniOP Designer 6 software.

- 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 a host computer using the Ethernet connection.
- 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. 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 a 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.

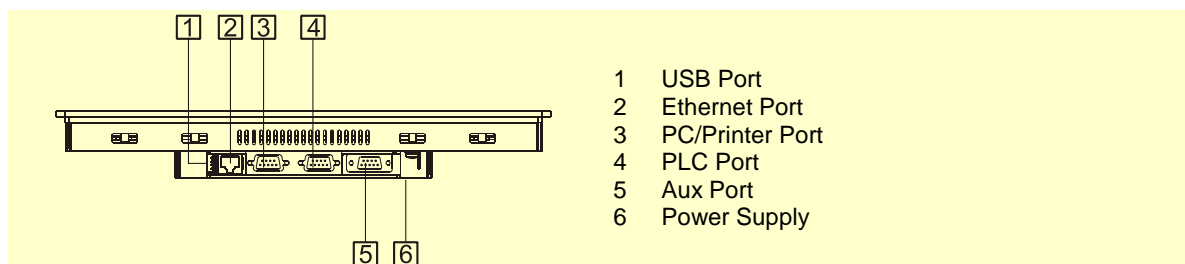
Technical Data

| | | | |
|-----------------------------|--|---------------------------------|---|
| Display | | Alarms | |
| Type | TFT | Event list | 1024 |
| Resolution | 800x600, SVGA | Password | Yes |
| Active display area | 12.1" diagonal | Hardware Real Time Clock | Yes, with battery back-up |
| Colors | 64K | Screen saver | Yes |
| Backlight | CCFL | Buzzer | Yes, audible feedback for touchscreen |
| Brightness | 250 Cd/m ² typ. | | |
| Dimming | Yes | | |
| Memory | | Ratings | |
| User memory | 64 MB internal Flash | Power supply voltage | 24 Vdc (18 to 30 Vdc) |
| | | Current consumption | 1.4 A at 24 Vdc(max.) |
| Front panel | | Fuse | Automatic |
| Touchscreen | Analog resistive | Weight | Approx 2.8 Kg |
| User LED indicators | 1 | Battery | Rechargeable Lithium battery, not user-replaceable |
| System LED indicators | 4 | | |
| Interfaces | | Environmental Conditions | |
| Ethernet port | 10/100 Mbit | Operating temperature | 0 to 50 °C |
| USB port | Host interface, version 1.1 | Storage temperature | -20 to +70 °C |
| PC/Printer port | RS-232, RS-485, RS-422, software configurable | Operating and storage humidity | 5 – 85 % relative humidity, non-condensing |
| PLC port | RS-232, RS-485, RS-422, software configurable | Protection class | IP65 (front panel) IP20 (rear) |
| Aux port | Yes, fieldbus and controller modules | | |
| Functionality | | Dimensions | |
| Vector graphics | Yes | Faceplate LxH | 337x267 mm |
| Object dynamics (hide/show) | Yes | Cutout AxB | 326x256 mm |
| TrueType fonts | Yes | Depth D+T | 42mm+4mm |
| Dual driver capability | Yes | | |
| Video input | No | Approvals | |
| Data acquisition and trends | Yes | CE | Emission EN 61000-6-4 Immunity EN 61000-6-2 for installation in industrial environments |
| 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 | | |

Dimensions



Connections



Ordering Information

| Model | Part Number | Description |
|--------------|--------------------|---|
| eTOP312 | ETOP312U101 | 12.1" TFT color touchscreen with Ethernet and USB interfaces. White front panel. |
| | ETOP312U201 | 12.1" TFT color touchscreen with Ethernet and USB interfaces. Grey front panel. |
| | ETOP312U301 | 12.1" TFT color touchscreen with Ethernet and USB interfaces. Black front panel. |
| PROT-15 | | Disposable protection foil for 12.1" and 13.3" eTOP touch panels (10 pieces). |
| PROT-21 | | Disposable protection foil for 12.1" and 13.3" eTOP touch panels (10 pieces). UV resistant. |

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