

UniOP eTOP50CP

The eTOP50CP is a state-of-the-art HMI device with 15" TFT color display with 1024x768 (XVGA) resolution and resistive touchscreen. Support for 64K colors in the brilliant TFT display will increase the realism of the images. Connectivity is ensured by the integrated 10/100 Ethernet interface and the dual-module option. The coated electronics makes this product ideal for applications in harsh environments.



- 15" TFT color display
- 1024x768 pixel (XVGA)resolution, 64K colors
- Resistive touchscreen
- 64 MB user memory
- 10/100 Ethernet interface
- USB port
- Dual-module option
- Compatible with local I/O
- Protective coating

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:

- Powerful and intuitive programming with the UniOP Designer 6 software.
- Support of more than 150 communication drivers for industrial devices.
- Built-in 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 plug-in modules for fieldbus systems and networks.
- Dual-driver communication capability.
- Vector graphic capabilities including the support of multiple layers and object transparency.
- Video input option.
- Display dynamic data in numerical, text, bargraph, analog gauges and graphic image formats.
- 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. 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 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

DisplayTFTHardware RTCYes, battery back-upTypeTFTScreen saverYesResolutionXVGA, 1024x768 pixelBuzzerYes, audible feedback for touch screenActive display area15"diagonal (304x228 mm)BuzzerYes, audible feedback for touch screenColors64KCCFL, 50000 h (note 1)Power supply voltage24 V DC (18 to 30 Vdc)Brightness200 cd/m² typ.Power supply voltage24 V DC (18 to 30 Vdc)DimmingYesFuseAutomaticMemory64 MB internal FlashAutomaticUser memory64 MB internal FlashBattery3 V 285 mA Lithium, non rechargeable, user replaceable, RENATA model CR2430. Replace with same component or equivalent.Front panelTouch screenAnalog resistiveFunction keys1Conditions0 to 45 °CSystem LED's4Operating temperature Operating and storage humidity0 to 45 °CPC/Printer portYes, RS-232 PC/printer portYes, RS-232 RS-485, RS-422 Ethernet portIP65 (front panel) IP20 (rear)
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PLC port RS-232, RS-485, RS-422 Ethernet port 10/100 Mbit
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Ethernet port 10/100 Mbit
USB port Host version 1.1 (note 2) Dimensions
Aux port (fieldbus) 2, with optional modules (note 4) Escentate LyH 392x307 mm (15.43x12.08")
DX port (video input) Yes (note 4) Cutout AxB 381x296 mm (15.00x11.65 ")
Serial programming 9600 – 38400 bps Mounting depth D 101 mm (3.98")
speed
Local I/O Yes, with optional modules Approvals
CE Emission
Functionality EN 61000-6-4
Vector graphics Yes Immunity
Dual driver capability Yes EN 61000-6-2
Recipe memory Yes. Flash memory storage for installation in naval limited only by available environments (note 3)
environments
UniNet network Client/Server category C, EMC1 (note 3)
Alarms 1024
Event list 1024
Password Yes

Note 1: the lamp lifetime is the typical value for continuous operation at 25°C.

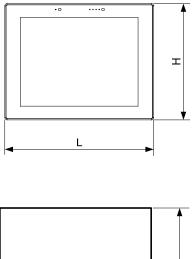
Note 2: operation of the built-in USB interface and recipe storage to flash memory require an appropriate firmware version and use of Designer 6.07 or higher.

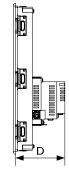
Note 3: a filter NEF 1-10 Phoenix Contact or equivalent must be installed to comply with emission limits for equipment installed in naval environments in the bridge and deck zone according to RINA/GL rules.

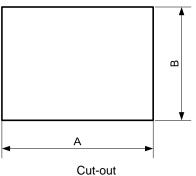
Note 4: the optional modules may be not available as RINA/GL certified components. Make sure you verify the updated specification of the products.



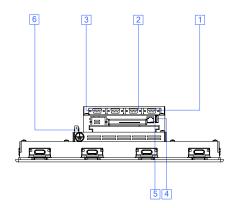
Dimensions







Connections



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



Ordering Information

eTOP50CP-0052 SCM05P-C	15" XVGA TFT color panel with touchscreen PLC module, CoDeSys, CANopen interface, protective coating
TCM09P	CANopen interface module, protective coating
UIM05P	Local I/O module, protective coating
PROT-06	Disposable protection foil for 15" eTOP touch panels (10 pieces)

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