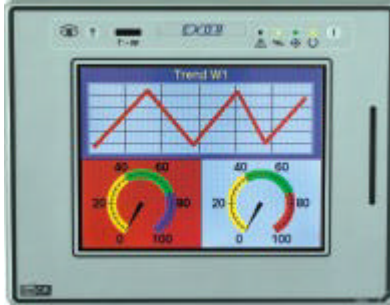


# eTOUCH - Windows CE Workstations

## UniOP™ - Universal Operator Panel Family



- 5.6" to 12.1" Diagonal Graphic Display
- Available in TFT, STN or Monochrome
- 1/4 VGA to SVGA Resolution
- Resistive Touch Screen
- Loaded with Windows CE
- Diskless Operation
- Connection to Ethernet & Bus Systems
- IP65 Front Panel Protection
- NEMA 4/12 compliant enclosure

**The eTOP industrial workstations for Windows CE are state-of-the-art HMI devices designed to meet the most rugged embedded application needs.** They provide a powerful and convenient platform from which to take advantage of the capabilities of the Microsoft Windows CE operating system.

The eTOP workstations are available with a touch screen interface and come in a variety of display technologies and sizes, ranging from 5.6" monochrome to 12.1" color TFT.

The eTOP are members of the UniOP Family of Operator Interfaces. They maintain the same mechanical look and feel of the UniOP products, while adding the connection capabilities and the powerful graphical user interface of the Windows CE operating system.

These products include a novel approach to communication with industrial products. EXOR has developed a Windows CE OPC server that can directly access all of the communication protocols that are currently available for the standard UniOP family of operator interface products. There are currently more than 130 protocols for communication with industrial devices (including the most popular fieldbus systems) available and ready-to-run in the eTOP Windows CE workstations.

Any Windows CE application that can be an OPC client can immediately benefit from this connection capability.

### Bus System Communication

The following bus systems are supported via an optional communication module. With the exception of Ethernet, whose support is already included in the Windows CE operating system, all other bus systems require the EXOR OPC server for communication.

- Simatic S7 MPI
- Klockner-Moeller Suconet K
- DeviceNet
- Interbus
- Profibus DP
- CANopen
- Ethernet (10-base-T)

## Specifications

<b>Processing Unit</b>	
<b>CPU</b>	MIPS 4300 166 MHz
<b>Flash Memory</b>	16 MB SSFDC Flash Card (up to 64 MB)
<b>RAM</b>	32 MB SDRAM
<b>Touchscreen</b>	
<b>Type</b>	Analog resistive
<b>Reliability</b>	Tested 3 million times
<b>Power Requirements</b>	
<b>Operating Voltage</b>	18 - 30 VDC
<b>Max Power Consumption</b>	~800 mA at 24 VDC
<b>Physical Characteristics</b>	
<b>Operating Temperature</b>	0 - 45°C (32 - 113°F)
<b>Storage Temperature</b>	-20 - +70°C
<b>Operating and Storage Humidity</b>	5 - 95% relative humidity
<b>Vibration</b>	10-57 Hz, 0.075 mm peak 57-150 Hz, 1 g
<b>Shock</b>	50 g, 11 ms, 3 pulses per axis
<b>Protection Class</b>	IP65 front panel
<b>Weight</b>	~3.0 kg (6.61 lb)
<b>Connections</b>	
<b>Port 1 (for connection to PC w/ ActiveSync)</b>	RS-232
<b>Port 2</b>	RS-232, RS-422, RS-485
<b>AUX Port</b>	Yes, with optional modules (Fieldbus and Ethernet)
<b>Ethernet</b>	10-Base-T with optional TCM-10 module
All products are warranted for one year against defects in material and workmanship.	
<b>Display and Physical Dimensions</b>	
<b>eTOP110, eTOP111 and eTOP112</b>	
<b>Cutout Height/Width</b>	136 mm (5.35")/ 176 mm (6.93")
<b>Cutout Depth</b>	91 mm (3.58")
<b>Front Panel Thickness (max.)</b>	5 mm (0.20")
<b>Faceplate Height/Width</b>	147 mm (5.79")/ 187 mm (7.36")
<b>Graphic Resolution</b>	320x240 pixels
<b>Active Display Area</b>	121x91 mm (5.6" diagonal)
<b>Types</b>	TFT, STN, Monochrome
<b>eTOP130 and eTOP131</b>	
<b>Cutout Height/Width</b>	221 mm (8.70")/ 276 mm (10.87")
<b>Cutout Depth</b>	91 mm (3.58")

<b>Front Panel Thickness (max.)</b>	5 mm (0.20")
<b>Faceplate Height/Width</b>	232 mm (9.14")/ 287 mm (11.30")
<b>Graphic Resolution</b>	640x480 pixels
<b>Active Display Area</b>	218x159 mm (10.4" diagonal)
<b>Types</b>	TFT, STN
<b>eTOP140</b>	
<b>Cutout Height/Width</b>	256 mm (10.08")/ 326 mm (12.83")
<b>Cutout Depth</b>	91 mm (3.58")
<b>Front Panel Thickness (max.)</b>	5 mm (0.20")
<b>Faceplate Height/Width</b>	267 mm (10.51")/ 337 mm (13.26")
<b>Graphic Resolution</b>	800x600 pixels
<b>Active Display Area</b>	246x184 mm (12.1" diagonal)
<b>Type</b>	TFT
<b>eTOP150</b>	
<b>Cutout Height/Width</b>	296 mm (11.65")/ 381 mm (15.00")
<b>Cutout Depth</b>	101 mm (3.98")
<b>Front Panel Thickness (max.)</b>	5 mm (0.20")
<b>Faceplate Height/Width</b>	307 mm (12.08")/ 392 mm (15.43")
<b>Graphic Resolution</b>	1024x768 pixels
<b>Active Display Area</b>	304x228 mm (15.1" diagonal)
<b>Type</b>	TFT
<b>Ordering Information</b>	
<b>Description</b>	<b>Part No.</b>
5.6" TFT color, 1/4 VGA, 166 MHz MIPS processor, 32 MB RAM, 16 MB Flash card, Windows CE license included	<b>eTOP110-0050</b>
5.6" STN color, 1/4 VGA, 166 MHz MIPS processor, 32 MB RAM, 16 MB Flash card, Windows CE license included	<b>eTOP111-0050</b>
5.6" monochrome, 1/4 VGA, 166 MHz MIPS processor, 32 MB RAM, 16 MB Flash card, Windows CE license included	<b>eTOP112-0050</b>
10.4" TFT color, VGA, 166 MHz MIPS processor, 32 MB RAM, 16 MB Flash card, Windows CE license included	<b>eTOP130-0050</b>
10.4" STN color, VGA, 166 MHz MIPS processor, 32 MB RAM, 16 MB Flash card, Windows CE license included	<b>eTOP131-0050</b>
12.1" TFT color, SVGA, 166 MHz MIPS processor, 32 MB RAM, 16 MB Flash card, Windows CE license included	<b>eTOP140-0050</b>
15.1" TFT color, XGA, 166 MHz MIPS processor, 32 MB RAM, 16 MB Flash card, Windows CE license included	<b>eTOP150-0050</b>