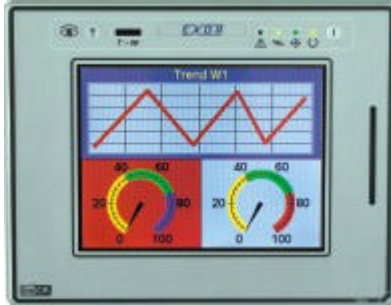


eTOUCH - Windows CE Workstations

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

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

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