



Solid as a Rock
500 series



MKTBR10-130733 - Exor reserves the right to make changes in the specifications of its proprietary products at any time without notice

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The UniOP eTOP 500 Series HMI

The UniOP eTOP 500 Series HMI products combine state-of-the-art features and top performance with an outstanding design. They are the ideal choice for all demanding HMI applications including factory and building automation.

- High-performance touchscreen HMI's
- Elegant and solid with die-cast housing
- Brilliant displays with LED backlight; dimmable to 0%;
- Ideal for marine applications
- 9-32 power supply available on demand
- Portrait mode operation for all models
- Lower power consumption: system runs cooler
- ARM Cortex A8 CPU, 600MHz and 1GHz
- Top performance with multimedia capability
- Enhanced storage capabilities with SD card slot
- Dual Ethernet with switch, simpler integration in small systems
- Plug-in for optional modules
- DNV Type Approval
- UL508 Listed – cULus Class I, Div. 2 Hazardous Locations
- Available in three front colors (White/Black/Silver)
- Five year warranty

Software Highlights:

Products have been designed as the ideal platform for JMobile applications

- Powerful and intuitive programming with JMobile Studio
- Support of a wide range of communication drivers
- Advanced vector graphics with SVG support
- Full support of dynamic object properties (visibility, position, rotation, resizing, opacity, color)
- Data display as numerical, text, bargraph, analog gauges and graphic image formats
- Data acquisition and trend presentation
- Full support of multilanguage applications
- Powerful script language
- Alarm handling
- Recipe data handling
- User and group access control
- Tag Editor and Tag Database
- Advanced HMI objects: e-mail, RSS feeds, Scheduler, Rotating menu, Video input
- Remote access (client, browser-based and VNC-based)
- Simulation of HMI applications
- Report printing to USB printer
- Optional IEC 61131-3 Soft PLC (CODESYS)
- Rich symbol library and project templates



	eTOP504	eTOP506	eTOP507	eTOP510	eTOP512	eTOP513	eTOP515
Display	4.3" TFT widescreen	5.7" TFT	7" TFT widescreen	10"4 TFT	12"1 TFT	13"3 TFT widescreen	15" TFT
Resolution	480x272, WQVGA	320x240, QVGA	800x480, WVGA	800x600, SVGA	800x600, SVGA	1280x800, WXGA	1024x768, XGA
Backlight	LED	LED	LED	LED	LED	LED	LED
Dimming	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Colors	64K	64K	64K	64K	64K	64K	64K
Touchscreen	Analog resistive	Analog resistive	Analog resistive	Analog resistive	Analog resistive	Analog resistive	Analog resistive
Portrait Mode	Yes	Yes	Yes	Yes	Yes	Yes	Yes
User Memory	128 MB Flash	128 MB Flash	128 MB Flash	256 MB Flash	256 MB Flash	256 MB Flash	256 MB Flash
Serial	RS-232, RS-485, RS-422, software configurable	RS-232, RS-485, RS-422, software configurable	RS-232, RS-485, RS-422, software configurable	RS-232, RS-485, RS-422, software configurable	RS-232, RS-485, RS-422, software configurable	RS-232, RS-485, RS-422, software configurable	RS-232, RS-485, RS-422, software configurable
Ethernet	2 10/100 Mbit with integrated Switch	2 10/100 Mbit with integrated Switch	2 10/100 Mbit with integrated Switch	2 10/100 Mbit with integrated Switch	2 10/100 Mbit with integrated Switch	2 10/100 Mbit with integrated Switch	2 10/100 Mbit with integrated Switch
USB	1 Host interface v.2.0	2 Host Interfaces (1 version 2.0, 1 version 2.0 and 1.1)	2 Host Interfaces (1 version 2.0, 1 version 2.0 and 1.1)	2 Host Interfaces (1 version 2.0, 1 version 2.0 and 1.1)	2 Host Interfaces (1 version 2.0, 1 version 2.0 and 1.1)	2 Host Interfaces (1 version 2.0, 1 version 2.0 and 1.1)	2 Host Interfaces (1 version 2.0, 1 version 2.0 and 1.1)
Vector graphics	Yes, includes SVG support	Yes, includes SVG support	Yes, includes SVG support	Yes, includes SVG support	Yes, includes SVG support	Yes, includes SVG support	Yes, includes SVG support
Object dynamics	Yes. Visibility, opacity, position, size, rotation for most object types.	Yes. Visibility, opacity, position, size, rotation for most object types.	Yes. Visibility, opacity, position, size, rotation for most object types.	Yes. Visibility, opacity, position, size, rotation for most object types.	Yes. Visibility, opacity, position, size, rotation for most object types.	Yes. Visibility, opacity, position, size, rotation for most object types.	Yes. Visibility, opacity, position, size, rotation for most object types.
TrueType fonts	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Alarms	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Historical Event List	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Recipes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Password	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Trends	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Multilanguage	Yes	Yes	Yes	Yes	Yes	Yes	Yes
RTC	Yes, with battery back-up	Yes, with battery back-up	Yes, with battery back-up	Yes, with battery back-up	Yes, with battery back-up	Yes, with battery back-up	Yes, with battery back-up
Battery	Rechargeable Lithium battery	Rechargeable Lithium battery	Rechargeable Lithium battery	Rechargeable Lithium battery	Rechargeable Lithium battery	Rechargeable Lithium battery	Rechargeable Lithium battery
Expansion Slot	1	2	2	2	2	2	2
Memory Card	SD Card Slot	SD Card Slot	SD Card Slot	SD Card Slot	SD Card Slot	SD Card Slot	SD Card Slot
Power Supply	24 Vdc (18 to 30 Vdc)	24 Vdc (18 to 30 Vdc)	24 Vdc (18 to 30 Vdc)	24 Vdc (18 to 30 Vdc)	24 Vdc (18 to 30 Vdc)	24 Vdc (18 to 30 Vdc)	24 Vdc (18 to 30 Vdc)
Current Consumption	0.4A at 24Vdc (max.)	0.65A at 24Vdc (max.)	0.7A at 24Vdc (max.)	1A at 24Vdc (max.)	1.2A at 24Vdc (max.)	1.2A at 24Vdc (max.)	1.4A at 24Vdc (max.)
Operating Temperature	0 to 50 °C (vertical installation)	0 to 50 °C (vertical installation)	0 to 50 °C (vertical installation)	0 to 50 °C (vertical installation)	0 to 50 °C (vertical installation)	0 to 50 °C (vertical installation)	0 to 50 °C (vertical installation)
Storage Temperature	-20 to +70 °C	-20 to +70 °C	-20 to +70 °C	-20 to +70 °C	-20 to +70 °C	-20 to +70 °C	-20 to +70 °C
Operating and storage humidity	5 – 85 % relative humidity, non-condensing	5 – 85 % relative humidity, non-condensing	5 – 85 % relative humidity, non-condensing	5 – 85 % relative humidity, non-condensing	5 – 85 % relative humidity, non-condensing	5 – 85 % relative humidity, non-condensing	5 – 85 % relative humidity, non-condensing
Weight	Approx 1.0 Kg	Approx 1.0 Kg	Approx 1.0 Kg	Approx 2.8 Kg	Approx 2.8 Kg	Approx 3.5 Kg	Approx 3.5 Kg
Faceplate LxH	147x107 mm (5.78x4.21")	187x147 mm (7.36x5.79")	187x147 mm (7.36x5.79")	287x232 mm (11.3x9.13")	336x267 mm (13.22x10.51")	336x267 mm (13.22x10.51")	392x307 mm (15.43x12.08")
Cutout AxB	136x96 mm (5.35x3.78")	176x136 mm (6.93x5.35")	176x136 mm (6.93x5.35")	276x221 mm (10.86x8.70")	326x256 mm (12.83x10.07")	326x256 mm (12.83x10.07")	381x296 mm (15.1x11.65")
Depth D+T	56 + 4 mm (2.20+0.16")	47+4 mm (1.85+0.16")	47+4 mm (1.85+0.16")	56+4 mm (2.20+0.16")	56+4 mm (2.20+0.16")	56+4 mm (2.20+0.16")	60+4 mm (2.36+0.16")
Protection Class (front)	IP66	IP66	IP66	IP66	IP66	IP66	IP66
Protection Class (rear)	IP20	IP20	IP20	IP20	IP20	IP20	IP20
Approvals	CE, DNV, cULus Class I, Div. 2	CE, DNV, cULus Class I, Div. 2	CE, DNV, cULus Class I, Div. 2	CE, DNV, cULus Class I, Div. 2	CE, DNV, cULus Class I, Div. 2	CE, DNV, cULus Class I, Div. 2	CE, DNV, cULus Class I, Div. 2

PLCM01 PLCM01-CDS PLCM05-CDS	Plug-in module CAN Plug-in module CAN + CODESYS Plug-in module CODESYS	
PLCM01-NE PLCM01-NEC	Plug-in module CAN - No Expansion Plug-in module CAN - No Expansion + CODESYS	
PLCM02 PLCM02-CDS	Plug-in module for KNX/EIB (TP interface) Plug-in module for KNX/EIB (TP interface) + CODESYS	
PLIO03	I/O Module with 20 DI 24VDC, 12 DO 24VDC 0,5 A, 8 Programmable AI, 4 Programmable AO, 1 PT100	
PLIO03-CDS	I/O Module with 20 DI 24VDC, 12 DO 24VDC 0,5 A, 8 Programmable AI, 4 Programmable AO, 1 PT100 + CODESYS	
PLIO06 PLIO06-CDS	Compact I/O Module. 8 DI, 6 DO, 1 Relay Output Compact I/O Module. 8 DI, 6 DO, 1 Relay Output + CODESYS	
PLCM03 PLCM04	Plug-in module RS-232 Plug-in module RS-422/485	
PLCM06	Plug-in module Profibus DP	

