



500 series



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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.

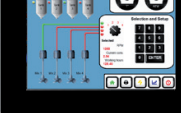
- High-performance touchscreen HMI’s
- Elegant and solid with die-cast housing
- Brilliant displays with LED backlight; dimmable to 0%; ideal for marine applications
- Portrait mode operation for all models
- Lower power consumption; system runs cooler
- ARM Cortex A8 CPU, 600MHz and 1GHz
- Top performance with multimedia capability
- Enhanced storage capabilities with SD card slot
- Dual Ethernet with switch, simpler integration in small systems
- New plug-in style for optional modules
- DNV Type Approval
- UL508 Listed
- 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
- Data display in numerical, text, bargraph, analog gauges and graphic image formats
- Rich set of classic HMI features
- Data acquisition and trend presentation
- Full support of multilanguage applications
- Powerful script language
- Alarm 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)
- Off-line simulation
- 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 16:9	5.7" TFT	7" TFT 16:9	10"4 TFT	12"1 TFT	13"3 TFT 16:9	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
Brightness	150 Cd/m² typ.	200 Cd/m² typ.	300 Cd/m² typ.	300 Cd/m² typ	300 Cd/m² typ.	300 Cd/m² typ	300 Cd/m² typ.
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 Optional Plugin	2 Optional Plugin	2 Optional Plugin	2 Optional Plugin	2 Optional Plugin	2 Optional Plugin	2 Optional Plugin
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 2.1 Kg	Approx 2.8 Kg	Approx 2.8 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 (15x11.65")
Depth D+T	56 + 4 mm (2.40+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/UL	CE/DNV/UL	CE/DNV/UL	CE/DNV/UL	CE/DNV/UL	CE/DNV/UL	CE/DNV/UL

PLCM01 PLCM01-CDS PLCM05-CDS	Plug-in module CAN Plug-in module CAN + CoDeSys Plug-in module CoDeSys
PLCM02	Plug-in module for KNX/EIB (TP interface)
PLIO03	I/O Module with 20 DI 24VDC, 12 DO 24VDC 0,5 A, 8 Programmable AI, 4 - Programmable AO, 1 PT100

