

## UniOP ePALM10

The ePALM10 is a state-of-the-art handheld HMI device with a graphic display and a keypad. The rugged polyamide enclosure offers a high level of shock and environmental resistance making the ePALM the ideal choice for use in the factory floor.



- Graphical display 120x64 pixels (up to 8 lines 20 characters)
- Highly visible transfective LCD display
- 27-keys keypad with tactile feedback
- Connection to industrial bus systems
- Large memory size (512 KB Flash)
- IP65 protection
- Includes Emergency Stop button
- Includes enabling switches, normal or 3-positions
- Available in versions for connection to Ethernet and Profibus DP

### Highlights

The ePALM HMI panels are the handheld products of the UniOP family. All of the ePALM products support the rich common functionality of the UniOP operator panels:

- Versions available for connection to Ethernet and Profibus DP. Ethernet version allows connection to field devices as well as programming the HMI from Designer.
  - Powerful and intuitive programming with the UniOP Designer 6 software
  - Support of more than 130 communication drivers for industrial devices
  - Transfective LCD display ensures readability under the most critical light conditions
  - Optional modules for fieldbus systems (Profibus DP, CANopen, DeviceNet, Interbus) and Ethernet. Ethernet modules allow connection to field devices as well as programming the HMI from Designer.
  - Display dynamic data in numerical, text, bargraph and graphic image formats
  - Recipe data storage. Recipe data can be transferred to a host computer using the Ethernet 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 keypad operation
  - Alarms and historical alarm list. Alarm and event information can be printed or transferred to a host computer using the Ethernet connection.
  - 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.
- In addition some unique features make the ePALM10 a perfect fit for handheld operation.
- Emergency Stop button. Hardwired.
  - Enabling switches. Hardwired.
  - High-quality polyurethane cable for mobile applications.

## Technical Data

<b>Display</b>		UniNet network	Client/Server
Type	Transflective LCD monochrome	Alarms	1024
Resolution	120x64 pixel	Event list	256
Active display area	66x33 mm	Password	Yes
Backlight	LED	Hardware RTC	Yes, battery backed
Dimming	-	Screen saver	-
Contrast	Software	Buzzer	-
		Battery	3 V 285 mA Lithium, non rechargeable, user replaceable, RENATA model CR2430. Replace with same component or equivalent.
<b>Memory</b>		<b>Ratings</b>	
User memory	512 KB Flash	Power supply voltage	18 - 30 VDC
User memory expansion	-	Current consumption	~ 300 mA at 24 VDC
		Fuse	Automatic
		Weight	~ 0.5 Kg (not including cable)
		Min thickness of cable	7 mm diameter
		Max thickness of cable	11 mm diameter
<b>Front panel</b>		<b>Environmental Conditions</b>	
Touch screen	-	Operating temperature	0 to 50 °C
Function keys	9	Storage temperature	-20 to +70 °C
System keys	18	Operating and storage humidity	5 – 85 % RH non-condensing
User LED's	20	Protection class	IP65
System LED's	5		
<b>Interfaces</b>		<b>Dimensions</b>	
PC/Printer port	See below	A	116 mm (4.56")
PLC port	See below	B	86 mm (3.38")
Aux port (fieldbus and Ethernet)	See below	C	102 mm (4.01")
Serial programming speed	9600 – 38400 bps	D	239 mm (9.41")
<b>Functionality</b>			
Vector graphics	-		
Dual driver capability	Yes		
Data acquisition and trends	-		
Recipe memory	16 KB		

The product is designed for installation in industrial environments in compliance with the regulations:

Emitted interference EN 61000-6-4, 2001

Noise immunity EN 61000-6-2, 2001

All circuits in this handheld product, including the wiring of the emergency stop button and the enabling switches, must be considered SELV/PELV circuits. All electrical connections must be "extra-low voltage".

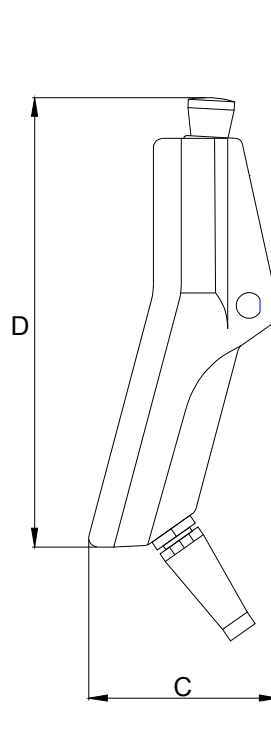


Figure 1 –Front and side view

Model	Cable Type/Length	PC/Printer Port	PLC Port	Module	Enabling switches
ePALM10-0061	Serial/5m	Yes	Yes	-	two normal
ePALM10-0062	Serial/10m	Yes	Yes	-	two normal
ePALM10-3P61	Serial/5m	Yes	Yes	-	one 3-position
ePALM10-3P62	Serial/10m	Yes	Yes	-	one 3-position
ePALM10-0066	Ethernet/5m	-	-	SCM11	one 3-position
ePALM10-0068	Ethernet/10m	-	-	SCM11	one 3-position
ePALM10-0069	Profibus DP/5m	Yes	-	TCM08	one 3-position
ePALM10-0067	Profibus DP/10m	Yes	-	TCM08	one 3-position

**Ordering Information**

ePALM10-0061	ePALM10 handheld HMI with cable for serial connection (length 5 meters)
ePALM10-0062	ePALM10 handheld HMI with cable for serial connection (length 10 meters)
ePALM10-3P61	ePALM10 handheld HMI with cable for serial connection (length 5 meters), one 3-positions enabling switch
ePALM10-3P62	ePALM10 handheld HMI with cable for serial connection (length 10 meters) , one 3-positions enabling switch
ePALM10-0066	ePALM10 handheld HMI with cable for Ethernet connection (length 5 meters), includes SCM11 and one 3-positions enabling switch
ePALM10-0068	ePALM10 handheld HMI with cable for Ethernet connection (length 10 meters), includes SCM11 and one 3-positions enabling switch
ePALM10-0069	ePALM10 handheld HMI with cable for Profibus DP connection (length 5 meters), includes TCM08 and one 3-positions enabling switch
ePALM10-0067	ePALM10 handheld HMI with cable for Profibus DP connection (length 10 meters), includes TCM08 and one 3-positions enabling switch
AHOOK01	Hook set without magnet
AHOOK02	Hook set with magnet

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