

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 version 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 an 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 an 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

Display		Alarms	
Type	Transflective LCD monochrome	Event list	1024
Resolution	120x64 pixel	Password	256
Active display area	66x33 mm	Hardware RTC	Yes
Backlight	LED	Screen saver	Yes, battery backed
Dimming	-	Buzzer	-
Contrast	Software	Battery	3 V 270 mA Lithium, non rechargeable, user replaceable, model CR2430. Replace with same component or equivalent compatible with the operating temperature of the product.
Memory		Ratings	
User memory	512 KB Flash	Power supply voltage	18 - 30 VDC
User memory expansion	-	Current consumption	~ 300 mA at 24 VDC
Front panel		Fuse	Automatic
Touch screen	-	Weight	~ 0.5 Kg (not including cable)
Function keys	9	Min thickness of cable	7 mm diameter
System keys	18	Max thickness of cable	11 mm diameter
User LED's	20	Environmental Conditions	
System LED's	5	Operating temperature	0 to 50 °C
Interfaces		Storage temperature	-20 to +70 °C
PC/Printer port	See below	Operating and storage humidity	5 – 85 % RH non-condensing
PLC port	See below	Protection class	IP65
Aux port (fieldbus and Ethernet)	See below	Dimensions	
Serial programming speed	9600 – 38400 bps	A	116 mm (4.56")
Functionality		B	86 mm (3.38")
Vector graphics	-	C	102 mm (4.01")
Dual driver capability	-	D	239 mm (9.41")
Data acquisition and trends	-		
Recipe memory	16 KB		
UniNet network	Client/Server		

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 circuits. They will have to be wired in compliance with EN 60950.

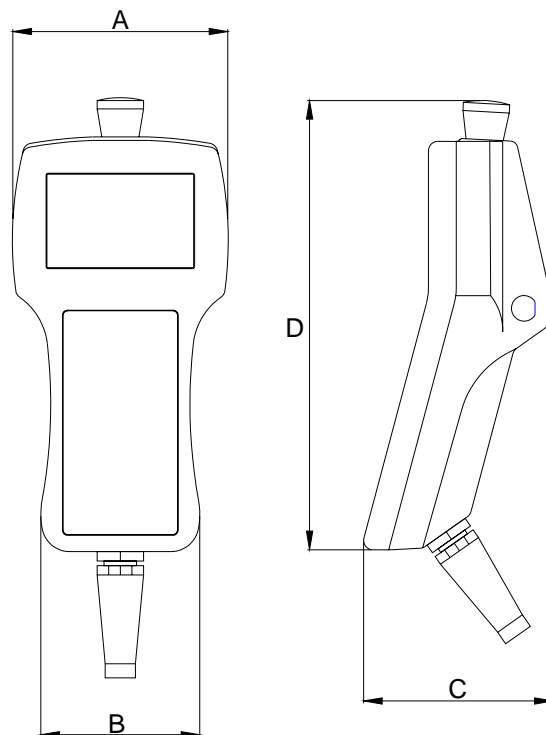


Figure 1 – Cutout and front view

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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