

## UniOP ePAD05 and ePAD06

Compact low-cost HMI with graphic display. The ePAD05 and ePAD06 panels set a new standard for entry-level HMI products, yet with full numeric data entry capabilities. They are the ideal complement for the successful ePAD03 and ePAD04 products.

These products are also available with extended operating temperature range for use in extreme environmental conditions.



- Monochrome graphic display 120x32 pixels
- Downloadable fonts
- Scalable text
- 9 user programmable function keys with slide-in legends
- 10 user programmable LED indicators
- Dual-driver communication
- Connection to industrial bus systems and Ethernet with optional modules
- IP65 front panel protection
- Version with extended operating temperature available

The ePAD05 and ePAD06 HMI panels are compact low cost products yet extremely rich in functionality. The products support the rich common functionality of the UniOP operator panels:

- Powerful and intuitive programming with the UniOP Designer software
- Dual-driver communication capability,
- Scalable fonts for effective presentation of information.
- Support of more than 130 communication drivers for industrial devices
- Optional modules for fieldbus systems (Profibus DP, DeviceNet, CANopen, Interbus) and Ethernet
- Display data in numerical, text and bargraph format
- Dynamic graphic objects
- Recipe data storage
- Keyboard macro editor
- Alarms and historical alarm list
- Eight level password protection

The ePAD05 and ePAD06 are the ideal solution to scale-down in size and price applications based on less compact and less performing products.



# Tech-note

## Technical Data

	ePAD05	ePAD06
<b>Display</b>	Monochrome LCD	
Backlight	LED	
Graphic resolution	120x32	
Active display area	70x21 mm	
Rows/columns	4x20	
Scalable fonts	Yes	
User definable characters	256	
Contrast regulation	Software	
<b>Memory</b>	512 KB	
User memory	512 KB	
User memory expansion	-	
<b>Front panel</b>	9, with slide-in legend	
Function keys	9, with slide-in legend	
System keys	10	
Touch screen	-	
User LED's	10	
System LED's	4	
<b>Connections</b>	No	
PC/Printer port	No	
PLC port	RS-232, RS-422, RS-485	
Aux port (fieldbus and Ethernet connection)	Yes, requires optional module	
Programming speed	9600 ÷ 38400 bps	9600 bps
<b>Functionality</b>	Unlimited	
Number of variables per page	Unlimited	
Dual-driver capability	Yes	-
Recipe memory	16 KB	-
UniNet network	Server/Client	Client
Alarms	1024	256
Event list	256	-
Alarm info page	Yes	
Password	Yes, 8 levels	
Battery	CR2430 (3V 270mA Lithium), non rechargeable, user replaceable. Replace with same type or equivalent compatible with the operating temperature of the product	-
Hardware RTC	Yes	-
Screen saver	-	
Buzzer	-	
Power supply voltage	18 ÷ 30 VDC	
Max power consumption	0.25 A at 24 VDC	

	ePAD05	ePAD06
Fuse	Overcurrent protection device	
Weight	1 Kg	
Operating temperature	-0046	0 ÷ +50 °C
	-00B6	0 ÷ +60 °C
	-00B7	-20 ÷ +60 °C
Storage temperature		-20 ÷ +70 °C
Operating and storage humidity	5 ÷ 85 % RH non-condensing	
Protection class	IP65 (front panel)	

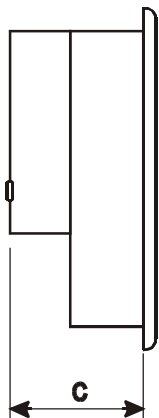
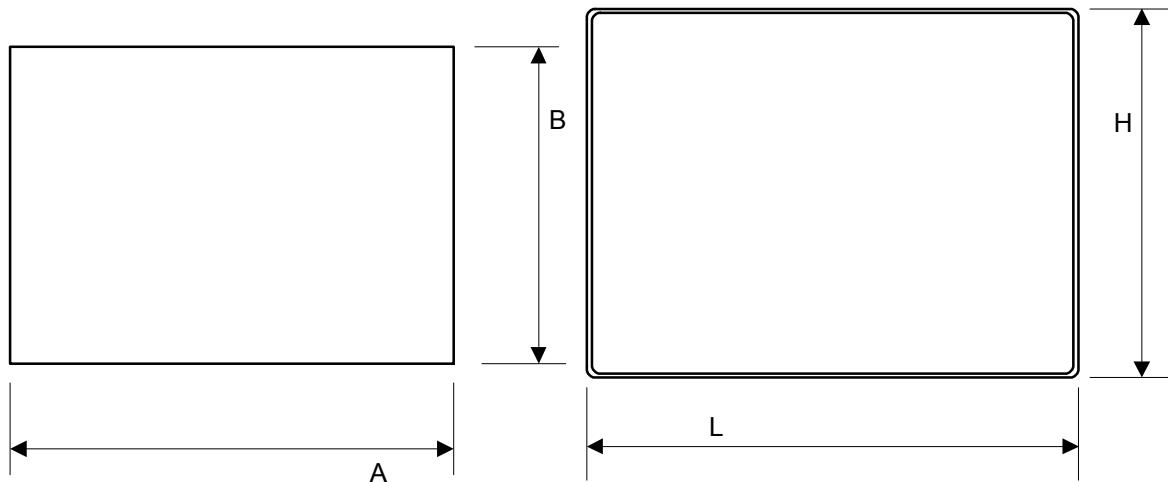
The product is designed for installation in industrial environments in compliance with the regulations:

Emitted interference EN 61000-6-4, 2001

Noise immunity EN 61000-6-2, 2001

**Front dimensions and cutout**

Front dimensions LxH	149 x 109 mm	5.86 x 4.29 "
Cutout AxB	136 x 96 mm	5.35 x 3.78 "
Cutout depth C	53 mm	2.08 "
Max panel thickness	5 mm	0.19 "



## Ordering Information

ePAD05-0046	Compact low-cost HMI with graphic display and Real Time Clock
ePAD05-00B7	Compact low-cost HMI with graphic display and Real Time Clock, extended operating temperature range
ePAD06-0046	Compact low-cost HMI with graphic display
R-PRINT3148	Printable legends (5 A4 foils, 10 sets of legends per foil)

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**Tn193**

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UniOP ePAD05 and ePAD06