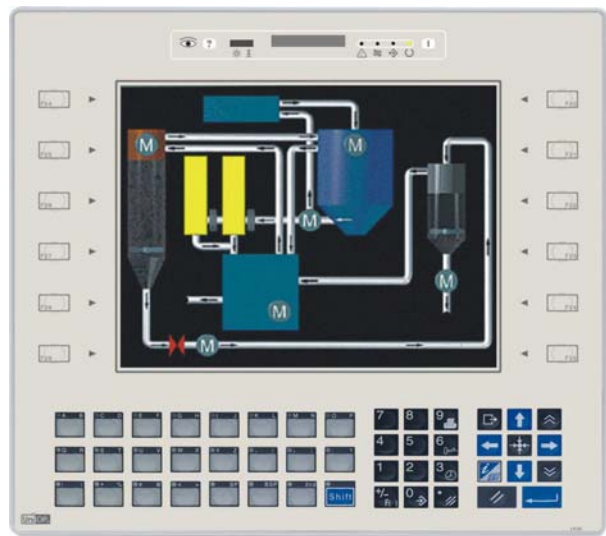


## UniOP ePAD33 and ePAD33T

The ePAD33 and ePAD33T are state-of-the-art HMI devices with a 10.4" graphic display and a complete keypad. The aluminum bezel offers an appealing look in a rugged and convenient flat design. The product is also available with a touchscreen option.

### Highlights

- **VGA (640x480 pixels) resolution**
- **Available also with touchscreen option**
- **Connection to industrial bus systems and Ethernet (requires optional plug-in modules)**
- **Compatible with HMIcontrol and local I/O subsystems**
- **Large memory size (8 MB Flash) with removable media**
- **IP65 front panel protection**



The ePAD HMI panel features a fully equipped keypad with plenty of function keys. All of the ePAD products support the rich common functionality of the UniOP operator panels:

- Powerful and intuitive programming with the UniOP Designer software
- Support of more than 130 communication drivers for industrial devices
- Optional modules for fieldbus systems (Profibus DP, DeviceNet, Interbus, CANopen) and Ethernet
- Dual-driver communication capability
- Vector graphic capabilities
- Display data in numerical, text and bargraph format
- Dynamic graphic objects
- Data acquisition and trend presentation
- Analog gauges
- Recipe data storage
- Multilanguage applications. Number of runtime languages limited only by memory.
- Keyboard macro editor
- Alarms and historical alarm list
- Eight level password protection
- Report printing to serial printer

**Technical Data**

The product is available in two versions that differ only for the presence of the touchscreen.

ePAD33, ePAD33T	Display TFT color LCD	Colors 256	Backlight CCFL	Lifetime 50000 h typ.
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<b>Display</b> Graphic resolution Brightness Active display area Rows/columns Character height Scalable fonts User definable characters Contrast regulation	640x480 pixels 450 cd/m <sup>2</sup> 218x159 mm 30x80 - Yes 256 -
<b>Memory</b> User memory User memory expansion	8 MB SSFDC memory card Max 16 MB SSFDC memory card
<b>Front panel</b> Function keys System keys Touch screen User LED's System LED's	35 24 Resistive for ePAD33T (guaranteed 3 M operations) 24 4
<b>Connections</b> PC/Printer port PLC port Aux port (fieldbus and Ethernet connection) External keyboard port Programming speed	Yes RS-232, RS-485, RS-422, 20 mA CL Yes, with optional modules No 9600 - 38400 bps
<b>Functionality</b> Number of variables per page Recipe memory Data acquisition and trends UniNet network Alarms Event list Alarm info page Password Battery Hardware RTC Screen saver Buzzer Power supply voltage Max power consumption	Unlimited 32 KB Yes Client/Server 1024 1024 Yes Yes Yes Yes, battery backed Yes Yes 18 - 30 VDC ~ 700 mA at 24 VDC

Fuse	Automatic
Weight	~ 2.5 Kg
Operating temperature	0 to 45 °C
Storage temperature	-20 to +70 °C
Operating and storage humidity	5 - 85 % RH non-condensing
Protection class	IP65 (front panel)

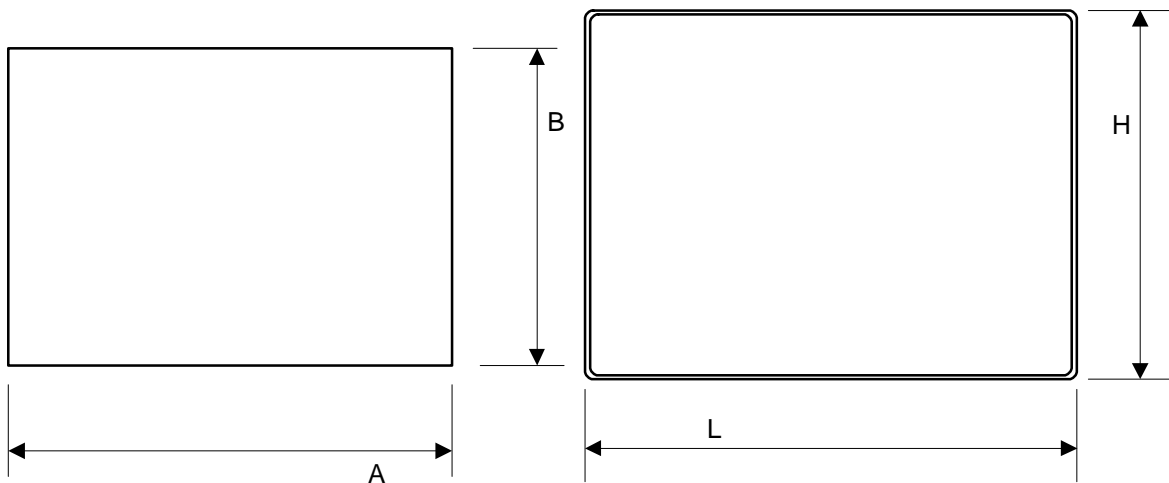
The product is designed for installation in an industrial environment in compliance with the regulations:

Emitted interference EN 61000-6-4, 2001

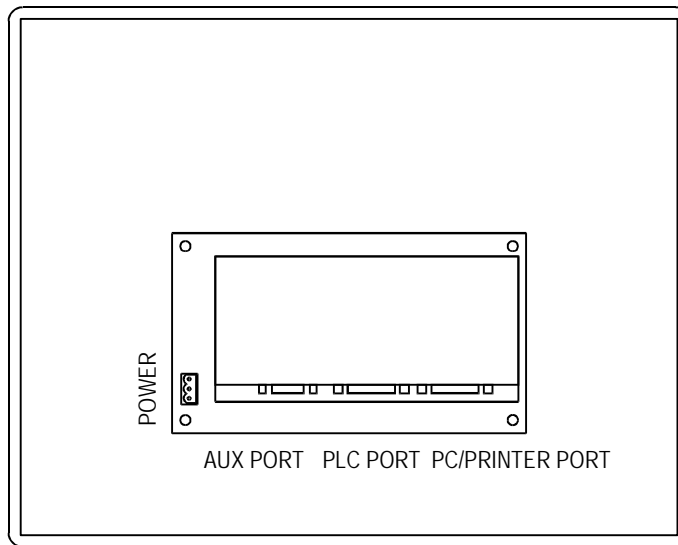
Noise immunity EN 61000-6-2, 2001

### Front Dimensions and Cutout

Faceplate LxH	311x276 mm	12.24x10.87"
Cutout AxH	292x257 mm	11.50x10.12"
Cutout depth (version -0050)	91 mm	3.58"
Max panel thickness	5 mm	0.2"

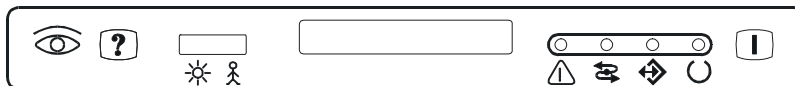


**Connections**








**Indicators and keypad**

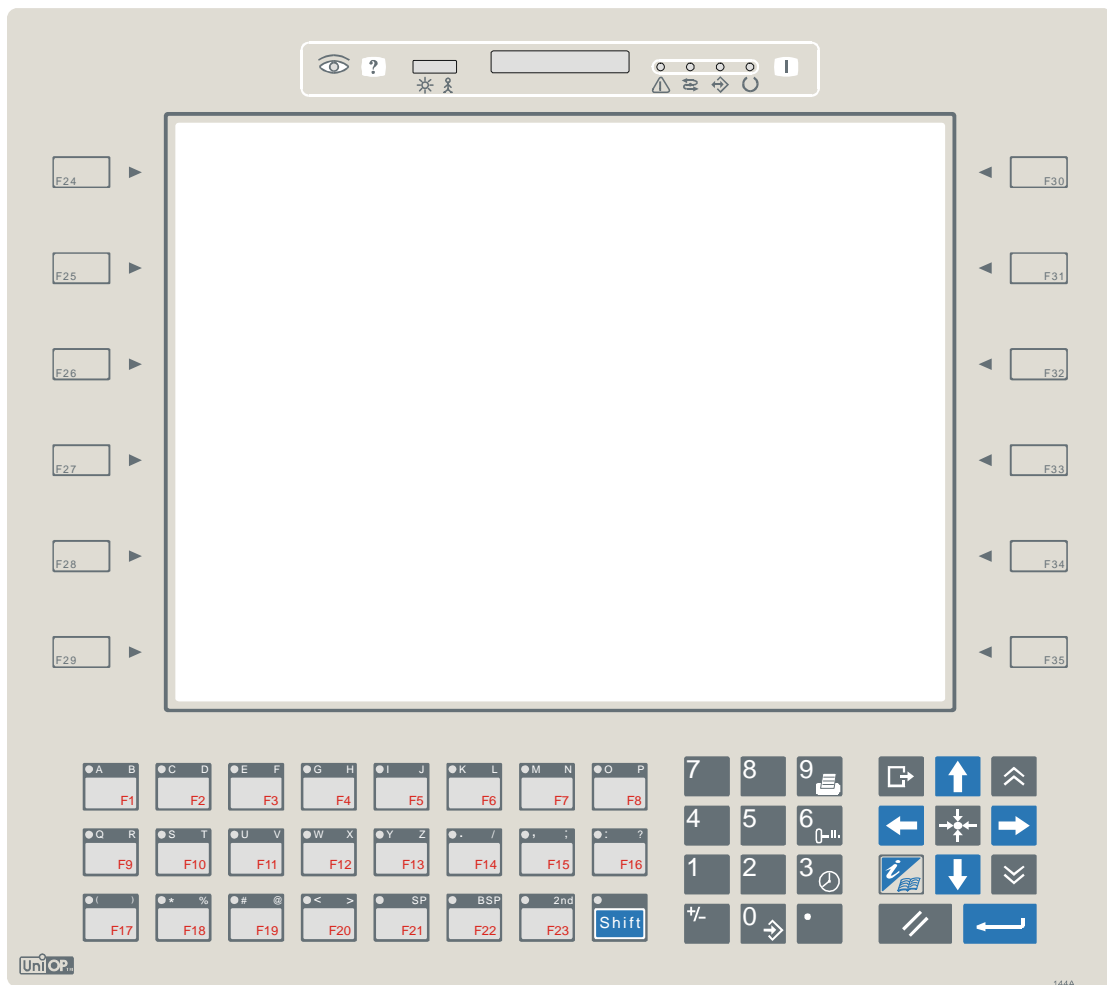
There are several dedicated LED indicators on the front panel of the unit. Functions are described in the table below.



Elements not listed in the table are reserved for future use.

LED	Color	Status	Meaning
	red	OFF	No hardware problem detected
		BLINK	Battery low
		ON	Hardware fault
	green	OFF	No key pressed and no touch cell active
		ON	Key pressed or touch cell active (visual feedback)
	green	OFF	Hardware fault
		ON	Unit in operation
	green	BLINK	Communication error
		ON	Communication OK
	red	OFF	No alarms
		BLINK	Alarm requires acknowledgment
		ON	Alarm active
	green		May be user controlled as LED number 65 using the Macro Editor. Turns ON when recipe/event backup is being performed.

The layout of the front panel is shown in the figure below. Please note that the labels F1 to F23 are not present in the real product.





The RDA mapping of LED indicators is shown in the table below.

RDA Bit	LED on Key
L1	F1
L2	F2
L3	F3
L4	F4
L5	F5
L6	F6
L7	F7
L8	F8
L9	F9
L10	F10
L11	F11
L12	F12
L13	F13
L14	F14
L15	F15
L16	F16

RDA Bit	LED on Key
L17	F17
L18	F18
L19	F19
L20	F20
L21	F21
L22	F22
L23	F23
L24	
L25	
L26	
L27	
L28	
L29	
L30	
L31	
L32	

The RDA mapping of all keys is standard. Note that not all keys are mapped to an RDA bit.

The service area at the top of the product includes also two buttons.

Button	Description
	User programmable with the Keyboard Macro Editor. Not available in RDA. Designer 5.08 SP7 or higher is required.
	Reserved for future use

Function keys from F1 to F23 have a slide-in legend. Legend strips are available as accessories in laser printable format.

## Ordering Information

ePAD33-0050  
ePAD33T-0050  
R-PRINT2852

10.4" TFT color display  
10.4" TFT color display and resistive touchscreen  
Printable legends (5 A4 foils, 5 sets of legends per foil)

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Tn199

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Subject to change without notice

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