

B.T. 07.15 OP/E US

# Industrial Operator Panel

## 10.4" touch screen

### OPMT 8104XH

- 10.4" color graphic display
- 65,536 color TFT LCD display
- Fan-less cooling system
- AMD Geode™ LX800/500MHz core processor
- Built in Real Time Clock (RTC)
- LED backlight
- Super VGA (800 x 600 pixels) resolution
- 4 wire analog resistive touch screen
- Connection to industrial bus systems (over 100 drivers)
- 256 MB DRAM user memory / 512 MB flash memory on board
- NEMA4 / IP65 front panel protection
- Programmable with Easy Builder 8000 software
- Display data in alphanumeric and graphic formats
- Dynamic graphic objects (bar graphs, gauges, XY plot, etc..)
- Data acquisition and trend presentation
- Recipe management and storage
- Alarms and historical alarm list
- Up to 12 levels of password protection
- 2 USB 2.0 high speed ports
- Ethernet port (10/100 baseT)
- SD card slot
- Audio: 1 audio line out, 1 microphone line in
- CE / RoHS certifications



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## Technical Data

Display	
Type	65536 color TFT
Graphic resolution	SVGA, 800 x 600 pixels
Active display area	10.4" diagonal
Backlight	LED
Brightness	400 cd/m <sup>2</sup>
Contrast ratio	400 : 1
Backlight life time	30000 hours

Memory	
User memory	256 MB on board
Storage memory	512 MB Flash on board
Memory expansion	1 Secure Digital card slot

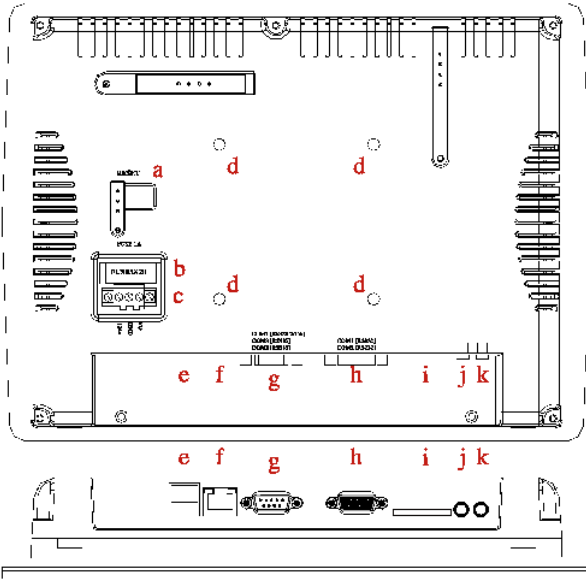
Interfaces	
Com1 port	RS232/RS485, 2 or 4 wires
Com2 port	RS232
Com3 port	RS232/RS485, 2 wires
Ethernet port	10/100 Base-T
USB port	2 USB 2.0 high speed

Functionality	
Data acquisition and trends	Standard
Recipe memory	2 x 256 kB
Alarms	65536
Event list	65536
Password	Standard, 12 levels
Hardware RTC	Standard, battery backed-up
Screen saver	Standard
Buzzer	Standard (audible feedback for touch screen)
Power supply voltage	24 Vdc ±10% (polarity sensitive)
Max. power consumption	~ 1.25 A
Fuse	2.6 A
Weight	~ 1.6 kg (3.53 lb)
Operating temperature	0..45 °C (32..111 °F)
Operating and storage humidity	10...90 % RH non-condensing
Protection class	NEMA4 / IP65 (front panel)

Product designed for installation in an industrial environment in compliance with the following regulations:  
 EMI: FCC class A  
 CE: EN50081-2, EN50082-2

## Connections/Dimensions

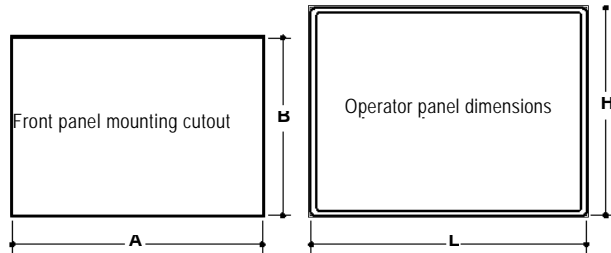
### Connections



- |                          |                            |
|--------------------------|----------------------------|
| a. Reset button          | h. Com1 [RS-485] 2/4 wires |
| b. Fuse                  | Com3 [RS-232/RS-485]       |
| c. Power terminals       | i. Com1 RS232, Com2 RS232  |
| d. VESA 75mm screw holes | j. SD CARD SLOT            |
| e. 2 USB 2.0 high        | k. Microphone In           |
|                          | l. Audio Line Out          |

### Cutout and front view

Panel dimensions L x H	286 x 212 mm	11.27 x 8.38"
Cutout A x B	259 x 201 mm	10.20 x 7.91"
Cutout depth (type - 0045)	50 mm	1.96"
Max. panel thickness	5 mm	0.2"



## Ordering Code

# OPMT-8104XH