

## TOUCH HMI

### Performance and Essential

88970553

HMI CTP104-E Performance 4.3" + M3 Serial Cable

- 4.3", 7" and 9.7" Resistive touch screens
- Direct connection to Crouzet Logic Controller
- RS232/485 & TCP/IP Ethernet Communications



### PRODUCT DESCRIPTION

The Crouzet Touch range of HMI offers a high quality, high performance HMI but at a highly competitive price.

We see more and more panels and systems controlled and monitored by an HMI as opposed to traditional gauges, pilot light and meters. Modernising a panel with an HMI used to be an expensive and difficult task. Now, with the new range of Crouzet Touch HMI you can modernise and improve your application at a fraction of the historical costs.

The Crouzet Touch range consists of two versions,

Essential	Performance
<ul style="list-style-type: none"> <li>• TFT-LCD resistive touch screen</li> <li>• Fan less cooling system</li> <li>• 32 bit 600 Mhz Cortex-A8 processor</li> <li>• Built-in RTC</li> <li>• Direct communication with Millenium 3 logic controller</li> <li>• MODBUS RS232/485 protocol</li> <li>• CE Mark</li> </ul>	<ul style="list-style-type: none"> <li>• TFT-LCD resistive touch screen</li> <li>• Fan less cooling system</li> <li>• 32 bit 600Mhz or 1 Ghz Cortex-A8 processor</li> <li>• Built-in RTC</li> <li>• Direct communication with Millenium 3 logic controller</li> <li>• MODBUS RS232/485 protocol</li> <li>• MODBUS TCP/IP protocol</li> <li>• Integrated VNC server</li> <li>• Additional function provided;</li> <li>• Emails, recipe database, enhanced security and many more</li> <li>• CE mark, cULus listed</li> </ul>

## TECHNICAL DATA

### GENERAL DATA

<b>Supply voltage</b>	24 V DC
<b>Display</b>	4,3" TFT LCD
<b>Current consumption</b>	300 mA @24V
<b>Resolution</b>	480x272

<b>Backlight</b>	LED > 30.000 h
<b>Processor</b>	32 bit RISC Cortex-A8, 600 MHz
<b>Memory for data</b>	128 MB
<b>I/O ports - COM port RS-232</b>	COM1 male
<b>I/O ports - COM port RS-485</b>	COM1 2/4 wires male, COM3 2 wires male
<b>I/O ports - ethernet port</b>	1 x RJ45, 10/100 Mbit/s, MDI/MDIX
<b>I/O ports - USB host</b>	2.0

## OTHER TECHNICAL DATA

<b>Width</b>	128 mm
<b>Depth</b>	32 mm
<b>Height</b>	102 mm
<b>Hole size</b>	119 x 93 mm
<b>IP class front</b>	IP65
<b>Temperature operational min</b>	0 °C
<b>Temperature operational max</b>	50 °C
<b>Vibration resistance</b>	10-25 Hz (X, Y, Z direction, 2G 30 minutes)
<b>Approvals</b>	UL, CE

