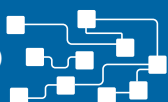


Crouzet Touch HMI

for **em4** → MILLENIUM EVO  *Millenium3*



CROUZET TOUCH PANELS

A COMPLETE HMI RANGE FOR INDUSTRIAL APPLICATIONS



Learn more about
the Crouzet Touch
Panels



	4.3"	7"	9.7"	4.3"	7"
	PERFORMANCE			ESSENTIAL	
Type	CTP104-E	CTP107-E	CTP110-E	CT104	CT107
Part Number	88 970 554	88 970 564	88 970 574	88 970 524	88 970 534
Certification	CE-UL	CE-UL	CE	CE	CE
Ethernet	✓	✓	✓	-	-
USB Host	✓	✓	✓	-	✓
RS232 / RS485	✓	✓	✓	✓	✓
Conformance coated	✓	✓	✓	-	-
Email & csv	✓	✓	✓	-	-
Enhanced security	✓	✓	✓	-	-
Combo button	✓	✓	✓	-	-
Recipe Import / Export	✓	✓	✓	-	-



NEW FEATURES



EMAIL & CSV

- › Send e-mails with datalog files (csv) from a data sampling and when an event is triggered



RECIPE IMPORT / EXPORT

- › Creating and managing recipes is much easier using the «recipe view» object and system registers available in Crouzet Touch software.



ENHANCED SECURITY

- › Enhanced security mode to manage users and classes easily with dedicated system pages.



COMBO BUTTON

- › Execute multiple commands with one button.

CROUZET TOUCH SOFT

USER FRIENDLY AND EFFECTIVE SOFTWARE

Crouzet Touch Soft is an intuitive user interface and allows complex applications such as data / event logs, recipe database, alarm handling, tag management, macro computing and pass through functions.

During the project development phase, online / offline simulation allows programme debugging.

IMAGINE AND CONCEIVE YOUR PROJECT IN AN EASY WAY

- › Manage all your HMI project from Crouzet Touch Utility Manager
- › A wide range of tools to help you develop the perfect project
- › Dedicated communication drivers for em4 and Millenium 3 allowing simple addressing and label management
- › Import existing MTP HMI programmes into the new Crouzet Touch Soft

FUNCTION BAR

- › With simple icons

ORGANISE YOUR PROJECT

- › Tree and display all object names

CUSTOMISE YOUR APPLICATION

- › Create your own library and import pictures

ENHANCED SECURITY

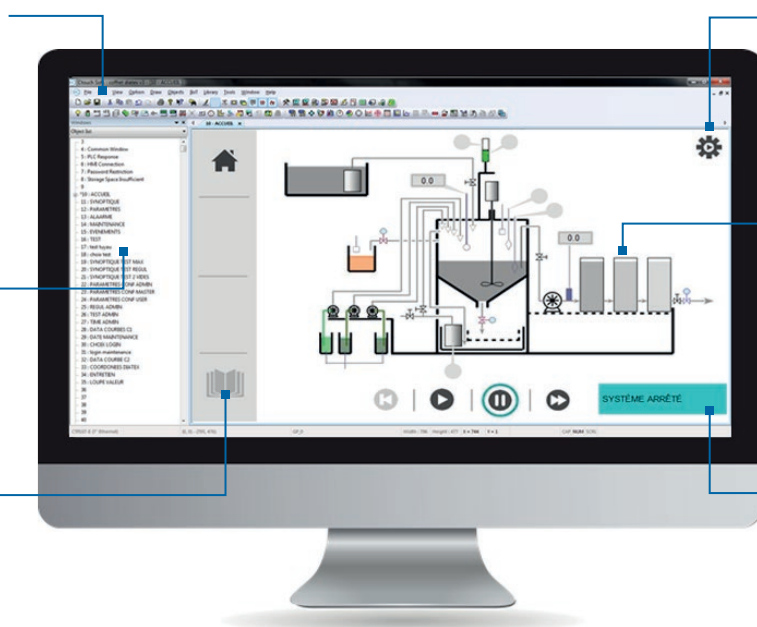
- › By creating access levels for users

CREATE AND DESIGN

- › Main window makes it easy to create any functional object

LABEL TAG

- › Allows use of up to 8 different languages



SOFTWARE AVAILABLE IN ENGLISH, FRENCH, ITALIAN, GERMAN, SPANISH



MORE TOOLS



EASY DIAGNOSER

- › Analysing and diagnosing communication between HMI and PLC



EASY SIMULATOR

- › Allows online / offline simulation of your HMI application.



PASS THROUGH

- › Allows connection of the PLC to the HMI allowing debugging of the system.



VNC

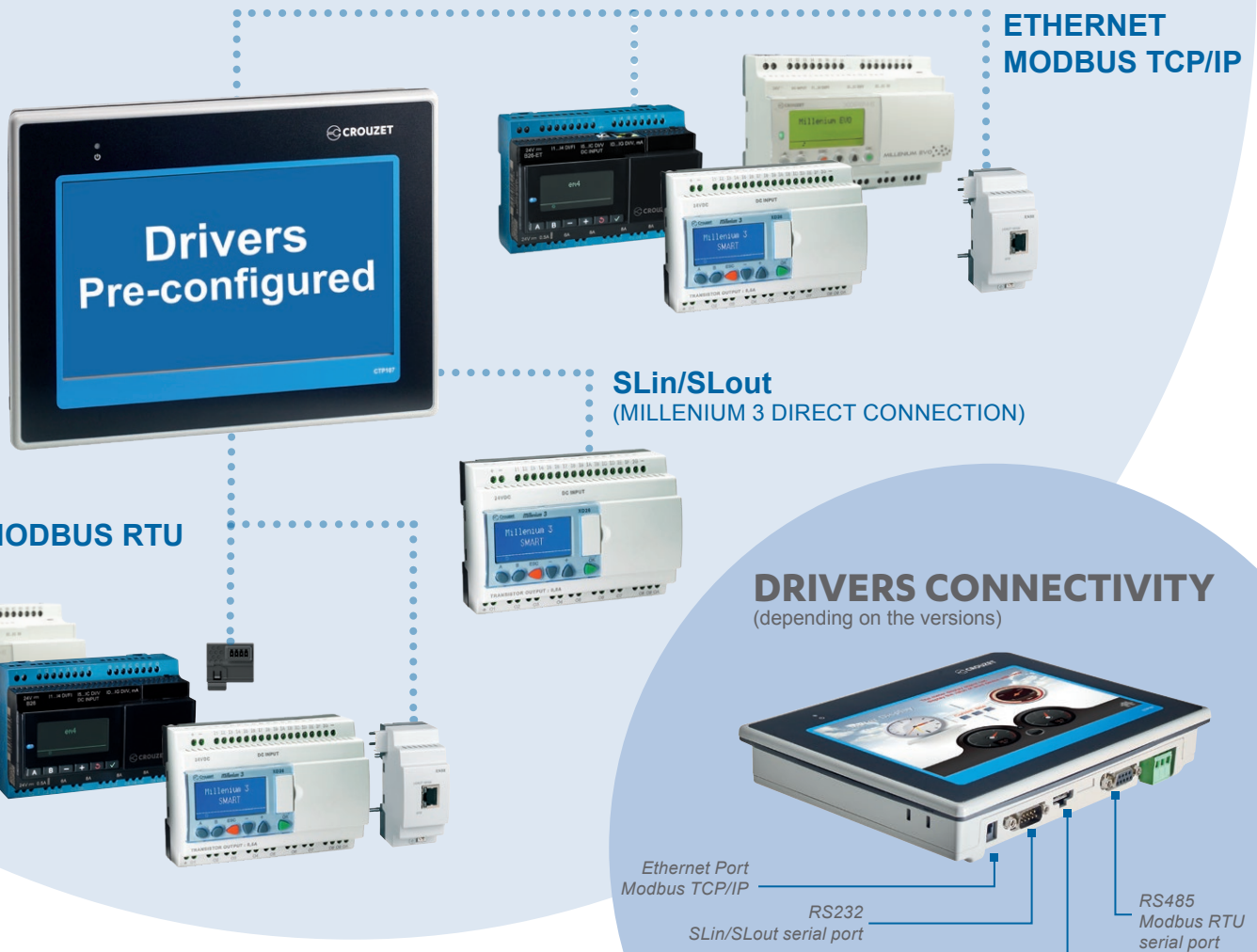
- › Allows network connection to the HMI via VNC client on PC or mobile phone.

PERFORMANCE/ESSENTIAL		
Part Number	Description	Details
88 970 591	Crouzet Touch Soft + cables	+ soft + usb / micro usb cable + Ethernet cable

CROUZET TOUCH DRIVERS

EASY CONFIGURATION DUE TO PRE-CONFIGURED COMMUNICATION DRIVERS

- › Modbus RTU
- › Modbus TCP/IP (Ethernet)
- › SLin/SLout



MORE INFORMATION

LOGIC CONTROLLER

Millenium³

The logic control for all your stand-alone applications:

- › Up to 50 inputs/outputs
- › 12 - 24 V $\overline{\text{---}}$, 24 - 230 V $\sim$
- › Modbus RTU/ASCII (Slave)
- › Modbus TCP/IP (Server)

MILLENIUM EVO

Communicating logic controller

The communicating logic controller for all your small-scale automation projects:

- › Up to 44 inputs/outputs
- › 24 V $\overline{\text{---}}$
- › Modbus RTU (Slave)
- › Modbus TCP/IP
- › Bluetooth option

NANO-PLC

em⁴

The nano-plc with the PLC performance & the logic controller simplicity:

- › Up to 46 inputs/outputs
- › 24 V $\overline{\text{---}}$
- › High speed inputs (up to 60 kHz)
- › Modbus RTU (Slave/Master*)
- › Modbus TCP/IP
- › Bluetooth option

CROUZET TOUCH REFERENCES

HMI COMMUNICATION CABLES

Based on the type of communication, select:

- 1 HMI Crouzet Touch panel
- 2 Associated communication type

PERFORMANCE

ESSENTIAL

	4.3"	7"	9.7"	4.3"	7"
					
Communication type	CTP104-E 88 970 554	CTP107-E 88 970 564	CTP110-E 88 970 574	CT104 88 970 524	CT107 88 970 534
 <i>em4 Ethernet</i>  <i>Modbus extension</i>  Ethernet Modbus TCP/IP	88 970 508			—	
 <i>em4</i>  <i>Modbus interface</i>  RS485 Modbus RTU	88 980 171	88 980 172		88 980 171	
 <i>Modbus extension</i>  RS485 Modbus RTU	88 970 503	88 970 504		88 970 503	

CABLE

MILLENIUM 3 KITS

- › HMI Crouzet Touch panel
- › Cable SLin/SLout

	4.3"	7"	9.7"	4.3"	7"
					
Communication type	CTP104-E 88 970 553	CTP107-E 88 970 563	CTP110-E 88 970 573	CT104 88 970 523	CT107 88 970 533
 <i>Direct connection M3</i>  SLin/SLout					

KIT

COMPLETE KITS FOR AN OFF THE SHELF SOLUTION

- › HMI
- › em4/Millennium 3 controller
- › Programming and connection cables
- › Crouzet Touch Soft

4.3"	7"	7"	9.7"	7"	4.3"
					
					
XD10R	XD26R	em4 Ethernet	em4 Ethernet	XDP24E	XDP24
88 970 555	88 970 566	88 970 567	88 970 577	88 970 568	88 970 558

CROUZET TOUCH TECHNICAL DATA



		PERFORMANCE			ESSENTIAL	
		CTP104-E	CTP107-E	CTP110-E	CT104	CT107
		88 970 554	88 970 564	88 970 574	88 970 524	88 970 534
Display	Size	4.3"	7"	9.7"	4.3"	7"
	Resolution	480 x 272	800 x 480	1024 x 768	480 x 272	800 x 480
	Brightness	400 cd/m²	400 cd/m²	350 cd/m²	400 cd/m²	300 cd/m²
	Front panel bezel colour	Pantone Process Black C, Blue Pantone 285C	Pantone Process Black C, Blue Pantone 285C	Pantone Process Black C, Blue Pantone 285C	Pantone Process Black C	Pantone Process Black C
	Display colours	16.7 M	16.7 M	262 K	16.7 M	16 M
	LCD viewing angle (Top/Bottom/Left/Right)	30/50/50/50	70/50/70/70	60/70/70/70	50/70/70/70	70/50/70/70
	Processor	32 Bit RISC Cortex-A8, 600 MHz	32 Bit RISC Cortex-A8, 600 MHz	32 Bit RISC Cortex-A8, 1 GHz	32 Bit RISC Cortex-A8, 600 MHz	32 bit RISC Cortex-A8, 600 MHz
Memory	Storage memory	128 MByte	128 MByte	512 MByte	128 MByte	128 MByte
	RAM memory	128 MByte	128 MByte	256 MByte	128 MByte	128 MByte
I/O Port	USB	Host USB 2.0	Host USB 2.0	Host USB 2.0	Client micro USB 2.0	Host USB 2.0, Client micro USB 2.0
	Ethernet	RJ45 type, 10/100 Mbit/s, MDI/MDIX	RJ45 type, 10/100 Mbit/s, MDI/MDIX	2 x RJ45 type,10/100/1000 Mbit/s, MDI/MDIX	N/A	N/A
	Port RS232	COM1 male	COM1 male	COM1 male, COM3 male. Only Tx & Rx (no RTS/CTS) may be used for COM1 when COM3 is also used	COM1 male	COM1 male
	Port RS485	COM1 2/4 Wires male, COM3 2 Wires male	COM1 2/4 Wires male, COM3 2 Wires male	COM2 2/4 Wires female, COM3 2 Wires female	COM1 2/4 Wires male, COM3 2 Wires male	COM2 2/4 Wires male
Specification	Weight	Approximately 0.25 kg	Approximately 0.6 kg	Approximately 0.85 kg	Approximately 0.25 kg	Approximately 0.52 kg
	Dimensions (W x H x D)	128 x 102 x 32 mm / 5.04 x 4.02 x 1.26"	200.3 x 146.3 x 34 mm / 7.89 x 5.77 x 1.34"	260.6 x 203.1 x 36.5 mm / 10.26 x 8 x 1.44"	128 x 102 x 32 mm / 5.04 x 4.02 x 1.26"	200.4 x 146.5 x 34 mm / 7.89 x 5.77 x 1.34"
	Vesa Mount	N/A	N/A	75 x 75 mm / 2.95 x 2.95"	N/A	N/A
	Panel cutout	119 x 93 mm / 4.69 x 3.66"	192 x 138 mm / 7.56 x 5.43"	250 x 192 mm / 9.84 x 7.56"	119 x 93 mm / 4.69 x 3.66"	192 x 138 mm / 7.56 x 5.43"
Environment	Conformance coated	Yes	Yes		N/A	N/A
	Enclosure	Plastic			Plastic	
	Storage temperature	-20 °C ➡ +60 °C / -4°F ➡ +140°F			-20 °C ➡ +60 °C / -4°F ➡ +140°F	
	Operating temperature	0 °C ➡ +50 °C / +32°F ➡ +122°F			0 °C ➡ +50 °C / +32°F ➡ +122°F	
	Relative humidity	10 ➡ 90% max. (no condensation or dripping water)			10 ➡ 90% max. (no condensation or dripping water)	
Certification	UL	cULus Listed	cULus Listed	N/A	N/A	
	Products certification	CE			CE	
		Crouzet Touch Soft				

CONTACT US

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