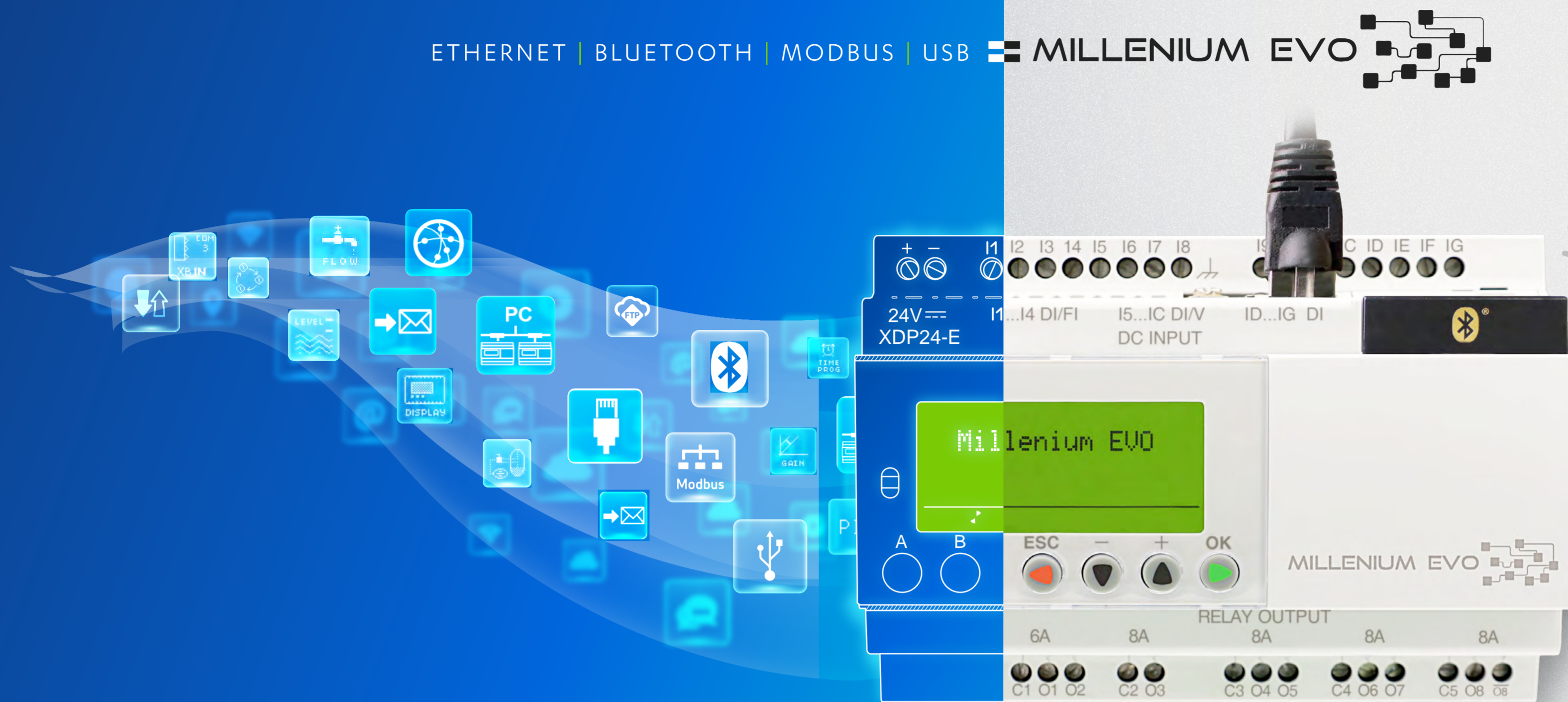


# CONNECTED AUTOMATION

ETHERNET | BLUETOOTH | MODBUS | USB  MILLENIUM EVO 



Presenting Millenium EVO

...

“The **communicating logic controller** for all your small-scale automation projects”



Ethernet



Modbus



USB



Bluetooth

4 communication protocols to:

**Control**

from a distance

[Learn more](#)

**Monitor**

your applications

[Learn more](#)

**Interact**

with other devices

[Learn more](#)

**Program**

anywhere on your local network

[Learn more](#)

Use Ethernet + any of the other protocols **at the same time!**



# CONTROL AT A DISTANCE

with the new **Crouzet Virtual Display**



Access EVO's front control face from your PC, laptop, or mobile devices



- ✓ Use Bluetooth technology to save time and easily program difficult to access controllers
- ✓ View front control face in real-time and change available parameters
- ✓ Program in a safe and comfortable environment, away from equipment and hardware
- ✓ Reduce risk of operator errors
- ✓ Cost-efficient solution for simple applications that eliminates the need for expensive HMIs





# CONTINUOUSLY MONITOR YOUR APPLICATIONS



Ethernet USB Bluetooth



## Datalog

Measure and record key parameters of your installation.

Periodically receive datalogs in .csv file, by e-mail, or by FTP\*.

\*Download via bluetooth or USB for standalone version.



## Event

Program regular e-mail notifications.

Chose the events you need to monitor.

Get regular status updates or alarm notifications.



## FTP Server

Collect datalogs sent by product

Re-use the data to customize a preferred visualization



# INTERACT WITH OTHER DEVICES

## VIA MODBUS AND ETHERNET





# EDIT & PROGRAM YOUR EVO

## EVEN IF ALREADY INSTALLED IN YOUR APPLICATION

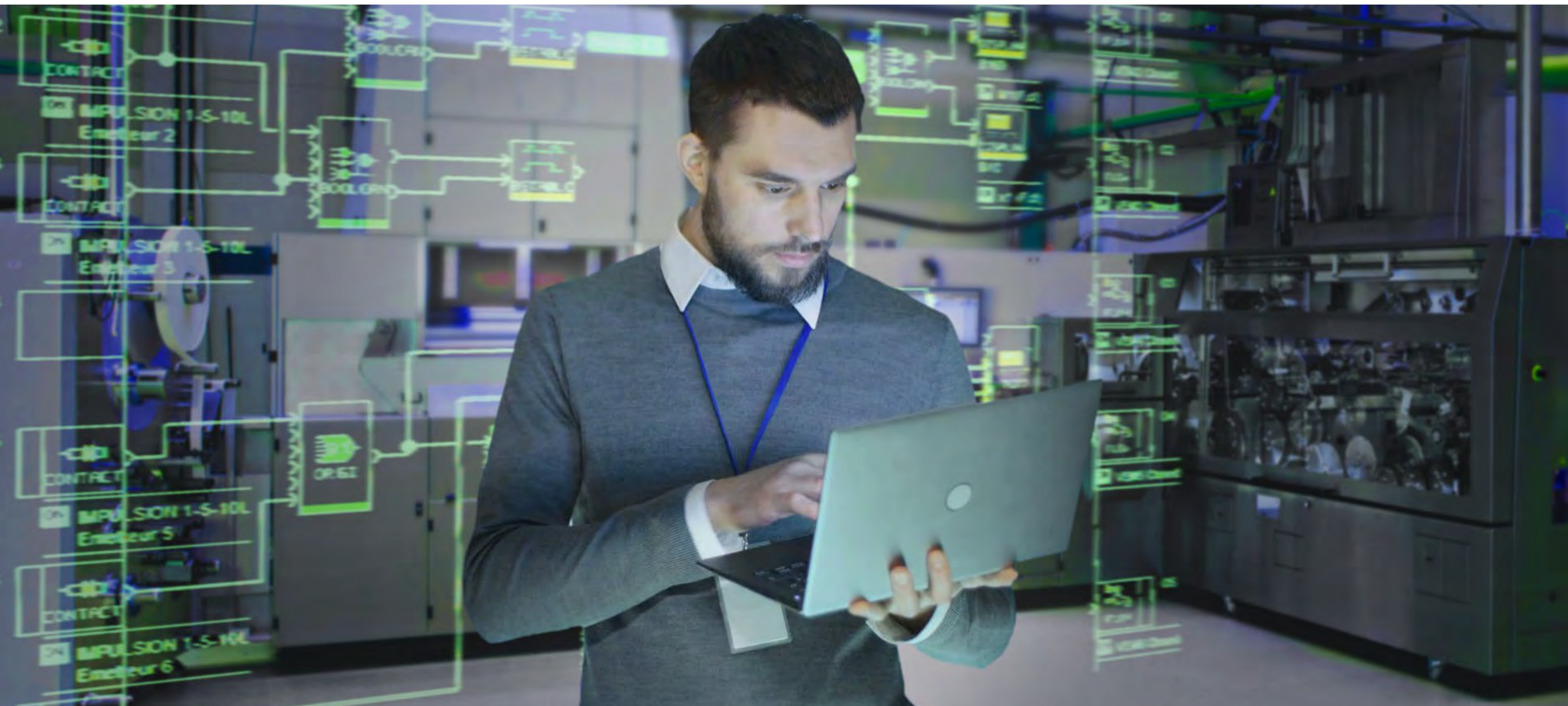
—— No need to remove it or disconnect a single cable ——

Now it's possible to connect PC and Millenium Evo without a cable to read and write your programs.

Edit programs and control Millenium EVO from the safety and comfort of your desk.



Bluetooth Ethernet USB





# IMPROVED INPUTS & OUTPUTS

Up to 15 KHz  
Counting Speed  
**3 times faster than others**



Control with  
Voltage  
**0-10 V & 0-Vcc**



Connect NTC Temp.  
Probes Directly  
**Up to 8**



Use it as  
Voltmeter



**4**

Configurable  
**High-Speed**  
Inputs

**8**

Configurable  
**Digital & Analog**  
Inputs

**4**

**Digital Inputs**



**2**

**6A**  
Relay outputs

**6**

**8A** Relay outputs

Need even more I/Os?  
Take a look at our expansion modules



Here



# BETTER SCREEN

Good visualization indoor or outdoor  
even with backlight off

EVO's new screen is so bright that you will rarely need to turn on the backlight even under direct sunlight. Save power and become green!





# TIME TO PROGRAM IT! REAL QUICK & EASIER THAN EVER

Visual programming and vast of pre-programmed function blocks to drag and drop into your application, make the new version of Crouzet Soft the most intuitive and easiest to use, even for first-time users.



Why is so great?

- ✓ Easiest and most intuitive visual programming software
- ✓ Twice as much memory capacity than competitors (up to 1000 function blocks)
- ✓ Ready to configure communication protocols
- ✓ Supports complex data processing with its 32-bit capacity
- ✓ Allows you to combine function block and SFC programming
- ✓ Organize your program with custom icons, images and text comments
- ✓ **Create your own macros or use pre-programmed application blocks,** such as the examples below (and many more):



**Create, simulate** and **debug** your program  
Even if you don't have the product... yet

...

And have we said it?

# IT'S FREE



# MAIN MARKETS

## Industrial



Data Logging  
Production Numbers  
Machine Downtime

## Agriculture



Irrigation Systems  
Feeding System  
Agricultural Machines

## Building



Lighting Control  
Access Control  
Room Temperature

## Power Generation



Solar Panel Control  
Small Generators  
Energy Saving



# GET TO KNOW THE FULL MILLENNIUM EVO FAMILY

## Ethernet Version

24 V DC | 16 inputs | 8 outputs

With Screen  
**XDP24-E**  
P/N: 88975111  
**286.00 €**

Without Screen  
**XDB24-E**  
P/N: 88975011  
**260.00 €**



## Standalone Version

24 V DC | 16 inputs | 8 outputs

With Screen  
**XDP24**  
P/N: 88975101  
**246.00 €**

Without Screen  
**XDB24**  
P/N: 88975001  
**220.00 €**

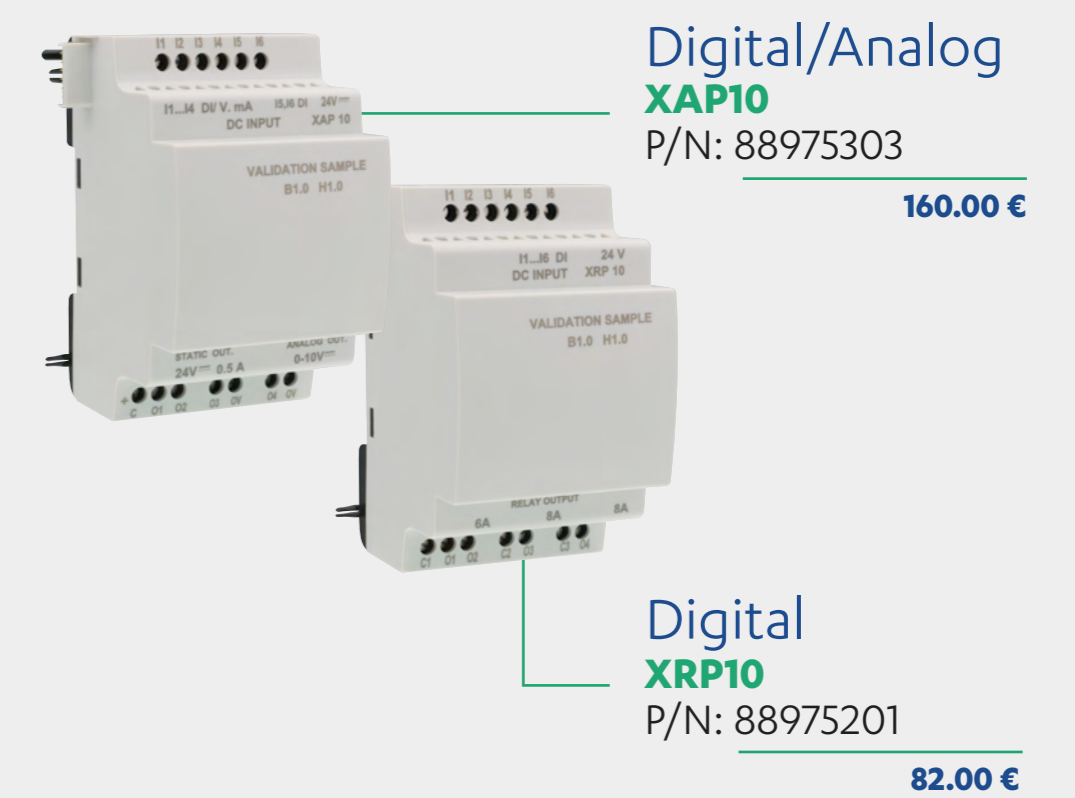


## Expansion Modules

24 V DC | 6 inputs | 4 outputs

Digital/Analog  
**XAP10**  
P/N: 88975303  
**160.00 €**

Digital  
**XRP10**  
P/N: 88975201  
**82.00 €**




## Bluetooth Kits

Millennium EVO  
**Ethernet Version**  
+ Bluetooth Interface  
+ Bluetooth Receiver

P/N: 88975911  
**\$320.00 €**



Millennium EVO  
**Standalone Version**  
+ Bluetooth Interface  
+ Bluetooth Receiver

P/N: 88975901  
**286.00 €**



## Accessories



Memory Interface



Bluetooth Interface



USB Interface



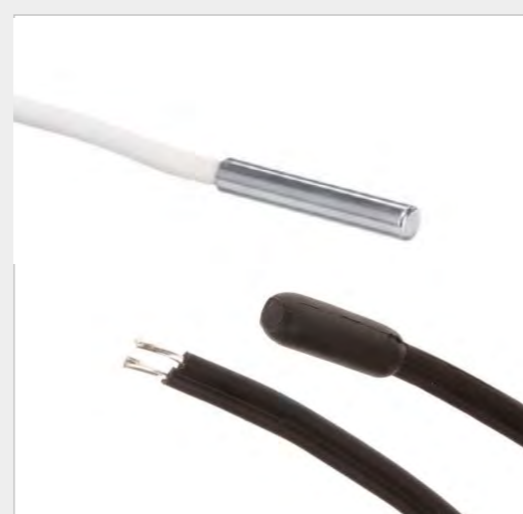
Modbus Interface



Touch Screens (HMI)



Plastron IP67



NTC & Other  
Temperature Probes



Signal Converters  
(Voltage, Current, Temp.)



Power Supplies



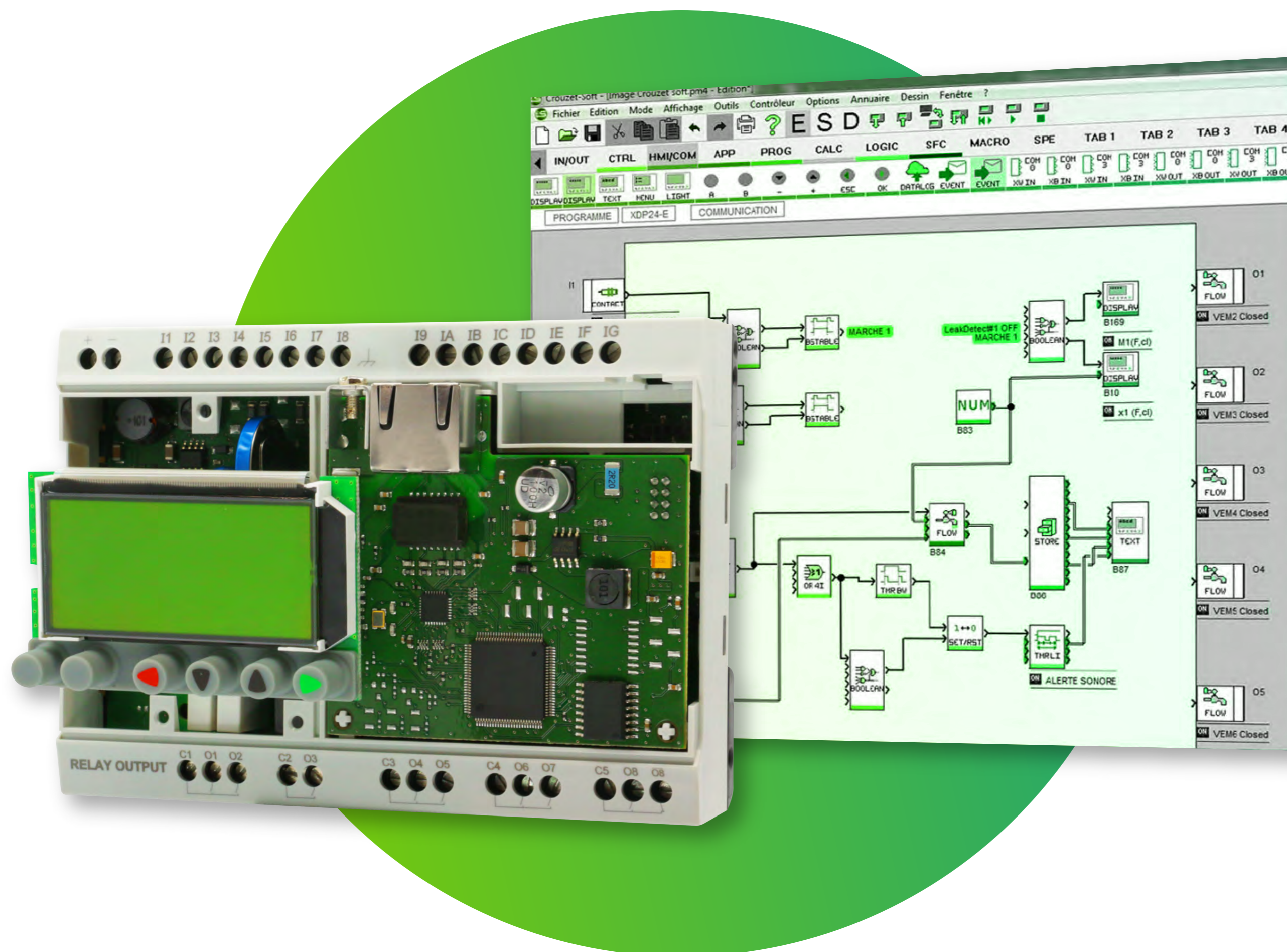
Temperature Sensors



NEED EVEN MORE?

# WE CAN CUSTOMIZE THE PRODUCT & THE SOFTWARE FOR YOU

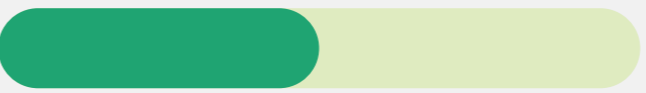



Crouzet's **Customer Adaptation Center** is available to support OEMs with large volume automation projects where an adapted or customized solution will save money and/or enhance functionality. We can match your specific requirements and provide the solution you need; contact your local account manager to start the conversation!





# UNDERSTANDING THE RANGE

## PRODUCT COMPARISON

	Logic Controller  Millenium3	Communicating Logic Controller  MILLENIUM EVO	Nano-PLC  em4	
INPUTS & OUTPUTS	Memory Capacity	500 FB 	1000 FB 	2000 FB 
	Number of I/Os	Up to 50 	Up to 44 	Up to 46 
	Analog Inputs (CPU)	6 	8 	12 
	4-20mA Inputs (CPU)	N/A 	N/A 	4 
	High-Speed Digital Inputs	6 KHz 	15 KHz 	60 KHz 
COMMUNICATION	Ethernet Embedded	N/A 	YES 	YES 
	Modbus Interface	N/A 	SLAVE 	MASTER/SLAVE 
	Bluetooth Communication	N/A 	YES 	YES 
	Mobile Communication (3G)	N/A 	N/A 	YES 
	Datalog Number of Values	N/A 	16 VALUES 	24 VALUES 
	Event Number of Values	N/A 	12 VALUES 	24 VALUES 
	MILLENIUM SOFT (LD-FBD-SFC)		CROUZET SOFT (FBD-SFC)	



# COMPARISON WITH COMPETITORS

 **CROUZET**



**SIEMENS**



**Schneider Electric**



Datalog	✓	✓	✗
Event	✓	✗	✗
High-Speed Inputs	<b>15 KHz (4 inputs)</b>	<b>5 KHz (4 inputs)</b>	<b>1 KHz (2 inputs)</b>
Dual Network at the same time	✓	✗	✗
Bluetooth	✓	✗	<b>for programming only</b>
Memory	<b>1000 FB</b>	<b>400 FB</b>	<b>500 FB</b>
FBD (Specific Functions)	✓	✗	✓
32-Bit Processing	✓	✗	✗
Direct connected NTC Probes	✓	✗	✗
Free Software	✓	✗	✓
Built-in Ethernet	✓	✓	✗



# GET IN TOUCH!

If you would like more information about Millenium EVO or Crouzet Soft, including pricing or technical support, please contact your **local account manager** today!

## AMERICAS

### CANADA

Tel.: +1 (855) 929-5465  
americas.custserv@crouzet.com

### MEXICO

Tel.: +1 (855) 929-5465  
americas.custserv@crouzet.com

### USA

+1 (855) 929-5465  
americas.custserv@crouzet.com

### COUNTRIES NOT LISTED

+1 (855) 929-5465  
americas.custserv@crouzet.com

## EUROPE / MIDDLE EAST / AFRICA

### BELGIUM

Tel.: +32 (0) 2 620 06 05  
Fax: +32 (0) 2 461 00 23  
klantenservice@crouzet.com

### FRANCE

Tel.: +33 (0) 475 802 101  
Fax: +33 (0) 475 828 900  
relationclient@crouzet.com

### GERMANY / AUSTRIA

Tel.: +49 (0) 2103/9385930  
Fax: +49 (0) 2103/980-222  
kundenservice@crouzet.com

### ITALY

Tel.: +39 (02) 38 594 099  
Fax: +39 (02) 82 952 104  
assistenzaclienti@crouzet.com

### SPAIN / PORTUGAL

Tel.: +34 (91) 215 80 95  
Fax: +34 (93) 2 20 02 05  
atencionalcliente@crouzet.com

### SWITZERLAND

Tel.: +41 (0) 225 67 57 90  
Fax: +41 (0) 565 88 02 75  
kundenservice@crouzet.com

### THE NETHERLANDS

Tel.: +31 (0) 20-654 52 20  
klantenservice@crouzet.com

### UNITED KINGDOM

Tel.: +44 (0) 2076 600 025  
customer.relation@crouzet.com

### COUNTRIES NOT LISTED

Tel.: +33 (0) 475 802 102  
Fax: +33 (0) 475 828 900  
customer.relation@crouzet.com

## ASIA / PACIFIC

### CHINA

Tel.: +86 (21) 8025 7166  
Fax: +86 (21) 6107 1771  
china@crouzet.com

### INDIA

Tel.: +91 (80) 4113 2204/05  
Fax: +91 (80) 4113 2206  
india@crouzet.com

### SOUTH KOREA

Tel.: +82 (2) 2679 8312  
Fax: +82 (2) 2679 9888  
korea@crouzet.com

### EAST ASIA PACIFIC

Tel.: +86 (21) 8025 7177  
Fax: +86 (21) 6107 1771  
eap@crouzet.com