

PERAX
l'alternative

P400IoT

CONNECTED REMOTE MANAGEMENT PLC

Made in France

P400IoT SOLUTION

CYBERSECURED

Security key and certificate management, access traceability

OPEN

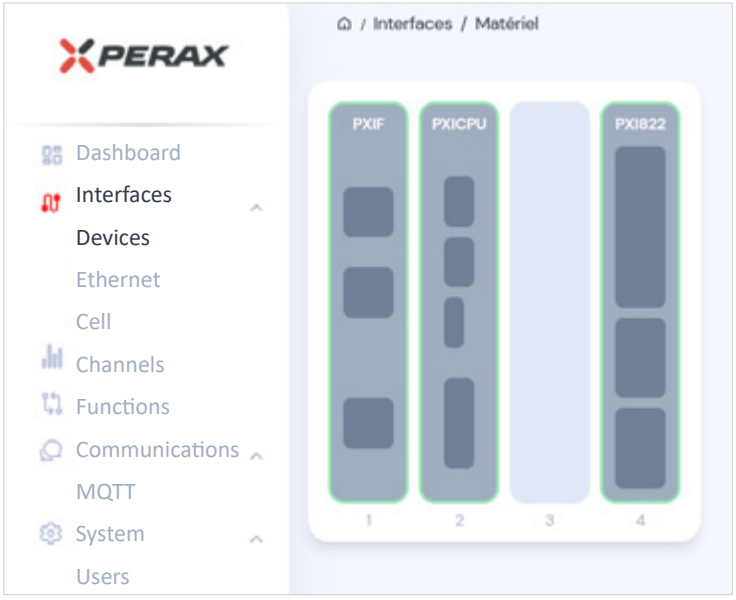
Standard and interoperable communication protocols

USER-FRIENDLY

Local or remote configuration using a simple web browser

DURABLE

Modular, repairable and scalable product



OUR VALUES

COOPERATION
Attentiveness, advice and technological support from planning to implementation.

ECO-DESIGN
OpenSource software, scalable and durable solutions.

INDEPENDENCE
Interoperable, agile solutions compatible with market PLCs and open software.

A COMPLETE SERVICE OFFERING...

- Engineering, design and manufacture
- Hardware and software supply
- Commissioning assistance
- Expertise and suggestions for improvement
- Maintenance and after-sales
- Training

... Enhanced by work with our expert partners

LIFT STATIONS AND WASTEWATER TREATMENT PLANTS

PUBLIC AND INDUSTRIAL BUILDINGS

SOLAR AND WIND FARMS

PUMPING STATIONS AND RESERVOIRS

PIPING

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MODULARITY

XI0/	4-board rack (W 179 x D 105 x H 117mm), DIN rail mounting (up to 8 cascaded racks)
PXIF	Input 24Vdc 1A, battery backup 12V 7-19Ah, Output 24/12V 1A, resettable fuses
PXIOT	Raspberry Pi Compute module 4 RAM 4GB Flash 8Gb, 2 RJ45 ethernet ports, 2 USB A Host ports, WDG 12-24VDC 12W output, factory contactor / reset
PXI4GIOT	4G/2G modem, 2FF SIM support, 5G/4G/3G/2G gain antenna, 5m low-loss cable
PXI822	Board with 8 discrete inputs, 2 0-5/10V, 0/4-20mA ANA inputs, 2 discrete outputs (dry contact)
PXI16E	16 NO/NC 12-24Vdc discrete input board - 10Hz/1KHz metering
PXI8EA	8 ANA 0-5/10V (27KΩ), 0/4-20mA (250Ω) input board
PXI8S	8 discrete output (dry contact), NO/NC, 12-24VAC/DC 60W board
PXI4SA	4 ANA 4-20mA, 0-10V output board

New CPU

EQUIPMENT

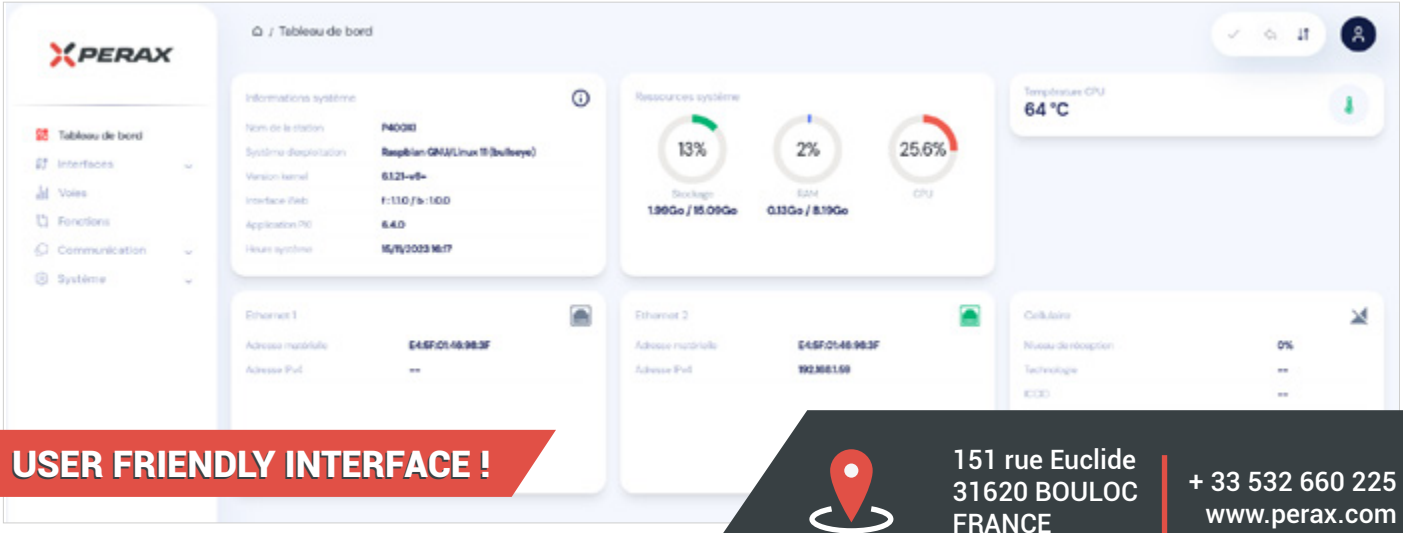
Mechanical	Tool-free maintenance, front panel plug-in screw-terminal connections. Indicator lights. Plug & Play 4-line x 20-character remote display or graphic colour touch-screen
Environment	Temperature: -5 to +55° c | Storage: -20 to +60° c | Relative humidity 5 to 90% without condensation

OPEN SOURCE SOFTWARE

Operating system	Linux Raspbian Bullseye 64 bits
Web server	Responsive and secured
Protocols	MQTT, MODBUS TCP | RTU, SYSWAY, Uni-Telway, Télé information EDF, FTP, SNTP
Security	Native OpenVPN client, TLS

FUNCTIONS

Timestamping	Up to 100,000 time-stamped samples per minute for 1,500 channels, including a maximum of 416 physical channels. Communication and status logs
Configuration	"Full web responsive", no software installation required, simple and intuitive use on PC, tablet or smartphone, import/export of configurations, copy/paste of channel blocks
Troubleshooting	Hardware and software traceability. Local or remote display of statuses, values, curves, set points, communications and automation, via web page. Indicator lights
Remote controls	Set point configuration, output, virtual channel or call cycle overrides
Communication	Two-way inter-site communication and with the supervisors. Email, Text message, regular or event-driven call cycles with reset management
Automation	Native automation and function block calculations. Metering, flow calculations, statistics and threshold management using simple parameters
Ethernet	Independent ports, static and dynamic routes, gateways and DNS, multi-client/server
USB	Driver for storage thumb drive, RS232 or RS485 converters, WIFI key
Security	3-level logins and passwords, certificates and security keys, access logs



07/02/2024

USER FRIENDLY INTERFACE !

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