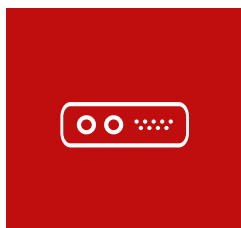**pironex**
electronic and software solutions

Industry solutions

www.pironex.com

IPCs
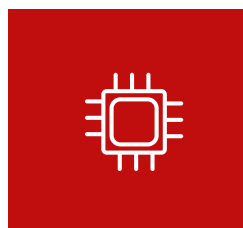
Processor Modules
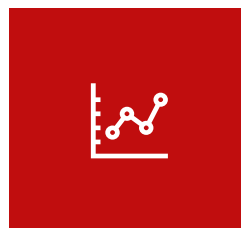
Data Loggers

Application Software

07 Series Production »»»

01 Electronic Circuit Design »»»

02 PCB Layout »»»

03 Embedded Software »»»

04 Prototype Testing »»»

05 Application Software »»»

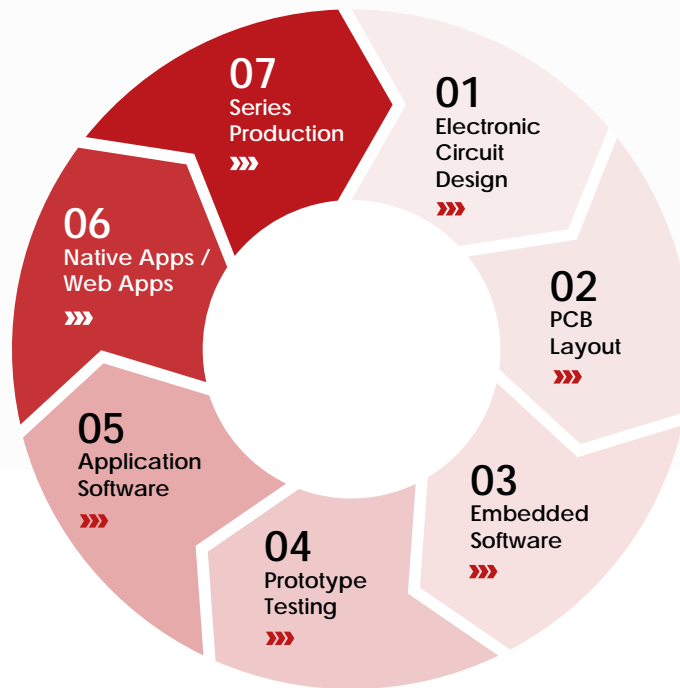**06** Native Apps / Web Apps »»»

Customized Product Development

A **Electronics development:** pironex GmbH specializes in the development of electronic system solutions. These include industrial communication electronics, microprocessor based control systems, fieldbus devices, display and operating units, solutions for control tasks, electronics for equipment, machines and systems as well as customized special solutions.

B **Software development:** In completion with the developed hardware, pironex GmbH creates and programmes appropriate embedded firmware, PC and WEB applications, as well as native apps for iOS and Android.

C **Prototyping:** Together with certified partners, pironex manufactures prototypes and small series and carries out complete device qualification - including EMC tests.

## Your individual solution step by step!

Processor Modules

Our powerful and compact processor modules are easily exchangeable and designed for integration into custom applications.

Fast and efficient system development is possible due to the small form factor (60x45mm) and the freely configurable interfaces. pironex modules are supported with ready-to-run packages for Linux and available starter kits.
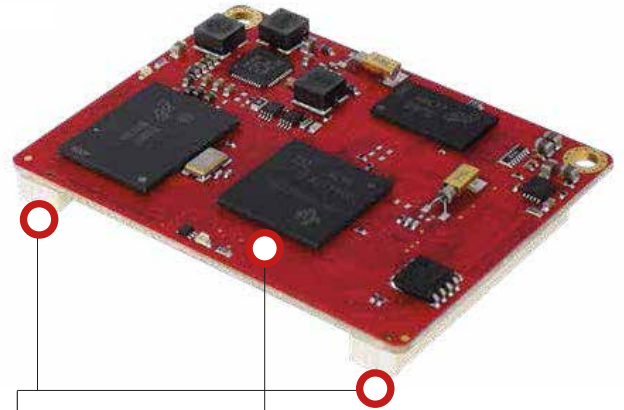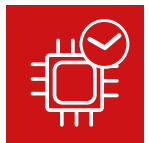
Linux System	ARM Cortex-A8	Extended Temperature Range	Easy Integration	Industrial Interfaces	Real-time System

## Reliable and flexible CoMs, IPCs and Data Logging Systems.

Industry-PCs

Our Embedded Industrial PCs are developed for hard industrial applications and are appealing because of being maintenance-free and having fanless CPU boards.

Our IPCs with industrial interfaces (u.a. Ethernet, RS232, RS485, CAN-Bus) are based on the ARM® Cortex™-A8 architecture and are suitable for a 24/7 operation in the –10 to +60 degrees Celsius temperature range. They are freely programmable and suitable for operating systems such as Linux or Windows CE.
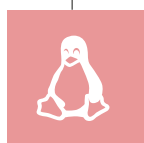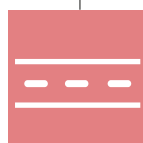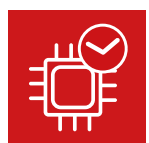
| Linux System	DIN Rail Mounting	Extended Temperature Range	Fanless	Industrial Interfaces	Real-time System

Our standalone and configurable data loggers are suitable for offline recording or online evaluation of data traffic in CAN systems.

The recorded data can be visualized with the corresponding PC software and exported to various target formats.

The captured data can be visualized either in real time or cached for later analysis on an integrated µSD card.
The performance of the 32-bit micro-controller ensures a complete recording at high data rates.

EnergyBus Logger	CAN Logger	ARM Cortex-M4	µSD Card	USB Type B	M12 Connector
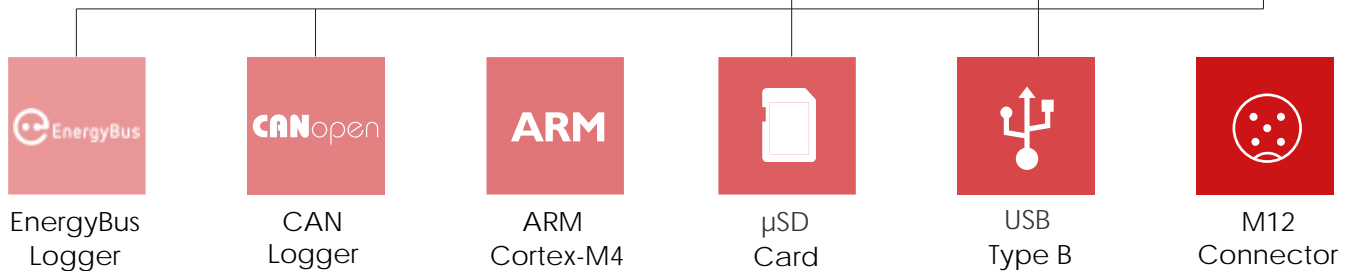
One supplier - many possibilities

As an integrated system provider, pironex GmbH offers a coordinated package consisting of price-optimized hardware, functional firmware and modular software.
Innovative thinking, system expertise, proven products of own production and large selection of reference designs allow engineers to reduce development times and to design and produce smart and efficient solutions for the following application fields:

1. IoT Gateways/Nodes - development of key components for connecting industrial devices and other systems to the "Internet of Things"

2. Industry Apps - development of native apps for remote control and monitoring of installations and systems

3. Tracking systems - GPS tracking for mobile data collecting and recording

4. Web portals and cloud solutions - cloud applications for intelligent networking, visualization and evaluation of development and production processes

5. Industrial controls - CAN-based devices for communication and control tasks in home automation, industrial automation and automotive engineering

IPCs

piA-AM3352
(fanless Single Board Computer in DIN rail housing)

piA-SF
(Panel PC with 10.1" multi touch display)

piAx-AM3517
(fanless Single Board Computer with TFT display)

piAx-AM3517-H
(Single Board Computer with customized interfaces)

Processor Modules

piA-AM335x-PM Low Cost
(Cortex™-A8 processor module)

piA-AM335x-PM Industrial
(incl. 128Mbit SPI-NOR Flash, 8GB eMMC)

piA-AM335x-SK
(Starter Kit for piA-AM335x-PM processor modules)

customer-specific baseboard
(Baseboard with customized interfaces)

Data Loggers

piCAN-Logger
(recording and verification of CAN bus based data)

piCAN-Logger-24V
(CAN bus logger with extended supply voltage range)

piA-Data-Recorder
(GPRS/GPS/CAN data logger for vehicles)

piSmart-Gateway
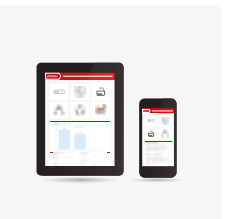(flexible gateway - applicable as data interface and logger)

Software/ Apps

pironex-portal.de
(management software)

pironex-server.de
(remote control and maintenance software)

pironex-tracking.de
(GPS fleet management software)

pironex-app
(iOS, Android)

pironex GmbH

Stangenland 4
18146 Rostock
Germany

Fon: +49 381 700 60 80

E-Mail: info@pironex.de
www.pironex.com

Reference projects: