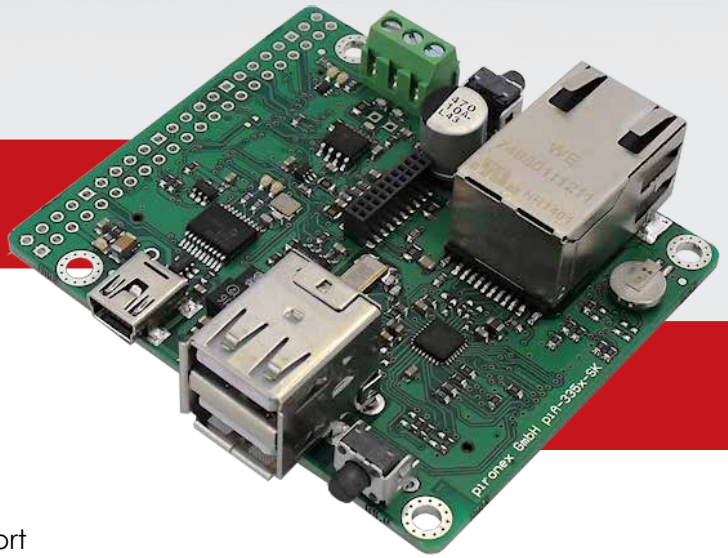




piA-AM335x-SK



Features

- Starter kit for piA-AM335x processor modules
- Socket for micro SD card
- 1x Ethernet 10/100 Mbit
- 1x CAN bus connector
- Debug Terminal via the mini-USB Virtual COM Port
- Reset button
- Button for selecting the boot device
- Power supply 5V
- small form factor 67 x 57 mm
- 44-pin expansion connector



Overview

piA-AM335x-SK is a starter kit for the development of embedded systems and mobile devices. It contains all the necessary hardware and software functions for the commissioning of piA-AM335x processor module.

piA-AM335x processor module can be attached to this base board via two 100-pin connectors.

This starter kit supports standard interfaces such as Ethernet 10/100 Mbit, USB and CAN bus. Via an expansion connector, 44 processor signals are directly accessible from the outside.

This base board provides a low-cost and flexible introduction to the development of Linux-based devices. For larger quantities it can be modified to customer specifications.

Applications

- Industrial Automotion
- Medical Technology
- Data logger
- Industrial process and control

Advantages

- Accelerated development of your product
- Numerous applications due to high number of configurable interfaces
- Quick and easy system integration

Technical Data

Basics

| | |
|-------------------|---------------|
| Dimensions | 67 x 57 mm |
| Power Supply | 5V ± 5% |
| Temperature Range | -40°C - +85°C |

Interfaces

| | |
|----------------|---------------------------------------------------|
| Ethernet | 1 x 10/100 Mbps Ethernet MAC |
| USB | 2 x USB Ports |
| SD-Card Host | for µSD-Card |
| CAN-Interface | 1 x CAN |
| Debug-Terminal | via Mini-USB Virtual COM-Port |
| Button | 1 x Reset 1 x button for selecting boot device |

In addition on the module*

| | |
|-----------|---------------------------------------------------|
| Processor | Sitara™ AM335x ARM Cortex-A8 microprocessor (MPU) |
| RAM | up to 512Mbit DDR3 SDRAM |
| Flash | up to 16 GB eMMC, 128Mbit NOR Flash, FRAM |
| LED | Status LED Power Good LED |
| RTC | Real-time clock |

*Processor module piA-AM335x-PM can be purchased separately.

Pictures



piA-AM335x-SK (Starter kit)



piA-AM335x-SK (Starter kit) and
piA-AM335x-PM (Processor module)