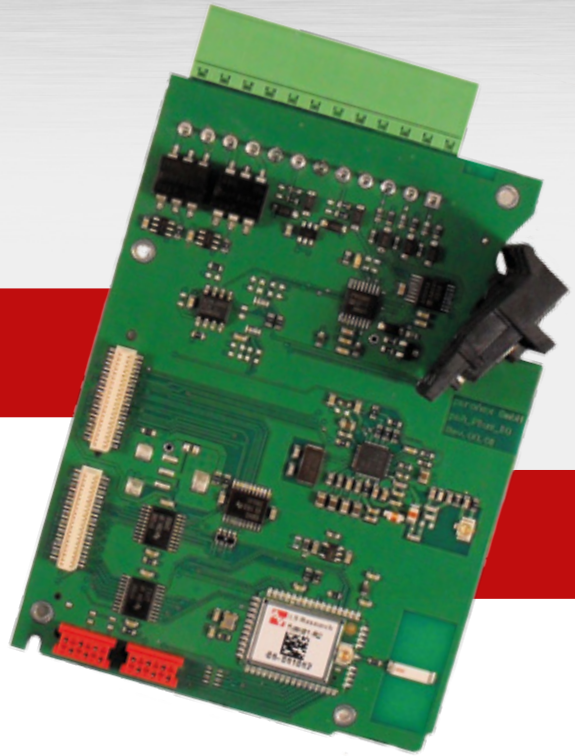




## piA-Wireless



### Features

- Expansion card for piA-AM3505/17 or piAx-AM3517
- Integrated WiFi/Bluetooth module
- RFID reader
- 3-channel AD converter
- Additional digital IOs and I<sup>2</sup>C connector
- Power supply via the base board

### Overview

The piA-Wireless extends the functionality of the single board computers piA-AM3505/17 or piAX-AM3517 and includes additional technologies for data exchange as well as additional IO interfaces.

Furthermore, it offers an integrated Bluetooth and WLAN module (b/g/n) for wireless communication. An extra connector provides the piA-Wireless with an additional I<sup>2</sup>C-Bus, 2 sinking inputs (up to 24V), 2 sinking<sup>2</sup>outputs (up to 240V), as well as 3 analog inputs.

Further, a reader for RFID tags, and a 3-channel AD converter are contained.



### Details

#### piA-Wireless

Suitable for	piA-AM3505/17 piAx-AM3517
ADC	3-Channel, 12 Bit, 3.3V
Digital I/O	2 x sinking input (24V tolerant) 2 x sinking output (240V tolerant)
WiFi	802.11b/g/n 2.4 GHz (integrated antenna + external connector)
BT	1.1, 1.2, 2.0+EDR, 2.1+EDR
RFID	multi-standard 13.56 MHz (antenna connector U.FL)
I <sup>2</sup> C	100 or 400kHz
Power	3.3V / 0.7A via base board connector
Temp. Range	-10°C - +70°C
Enclosure	CH20M 45, IP20 (top-hat rail housing)
Software	Linux Drivers (Kernel 2.6.37) Development Libraries for integrated components