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electronic and software solutions

Data sheet piCAN-RFID

piCAN-RFID



Features

- EnergyBus compatible device (passive mode)
- CAN interface
- 2 x sinking input
- 2 x PWM driver
- 2 x 12V/750mA output
- 1 x Relay output
- 16-Bit microcontroller
- Power consumption <1W

Overview

The piCAN-RFID works with the frequency of 13.56 MHz and supports the new NFC (Near Field Communication) standard.
The RFID antenna integrated into the device has a range of min. 3cm.
Two digital inputs allow the connection and evaluation of sensors. The dual 12V / 750mA outputs allow the connection of up to 2 LEDs. The integrated PWM drivers can be used, for example, for controlling the LED brightness.
Thanks to the integrated 16-bit Fujitsu microcontroller, the device can be configured and programmed according to the application.

Details

piCAN-RFID	
Controller	16-Bit Fujitsu type F²MC-16FX
RFID	supports ISO 14443A and ISO 15693 Frequency: 13.56MHz Range: max. 3cm
NFC	supports Near Field Communication Standards NFCIP-1 (ISO/IEC 18092) and NFCIP-2 (ISO/IEC 21481) Frequency: 13.56MHz, Range: max. 2cm
Power Supply	12V/0.06A via CAN Bus
Board dimensions	121mm x 71,13mm
Enclosure	ABS 100/35 LG 130mm x 80mm x 35mm (L x B x H)