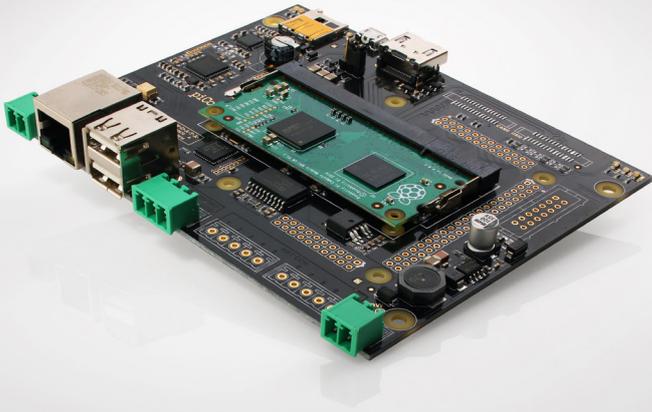


piCon IoT edge Gateway

easily connect your devices to the cloud with piCon Raspberry Pi compute module extension for smart home and industrial applications.



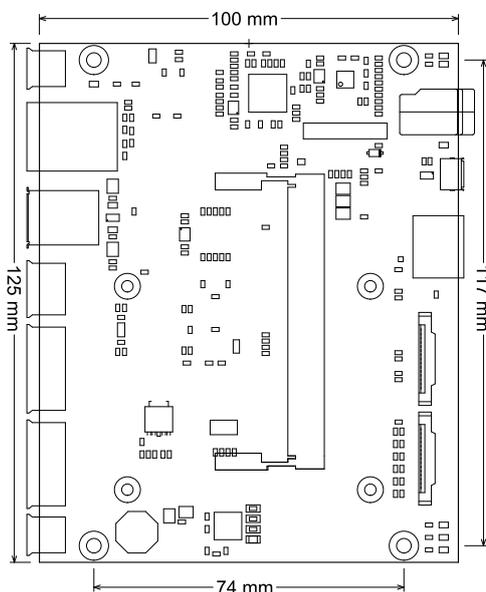
- supports raspberry Pi compute module 1
- modular addOn boards
- external IO board
- RTC chip
- DALi gateway
- piConIO extension board

Highlighted Features

	Supports raspberry Pi compute module 1
	10/100 Ethernet adapter
	Dual USB 2.0 Host Interface
	USB/USD Card Interface
	USB/UART RS485 (DMX) Interface
	DALi Interface
	HDMI Output
	I2C RTC Real Time clock with battery backup
	I2C EEPROM

Dimensions

L 125 x W 100 x H 17,2 mm



Description

The piCon edge gateway is designed to fit into any custom industrial application, such as automation, telecommunications, supervision and monitoring, etc. It is a fully configurable platform so you can setup any custom hardware options on the device. It supports raspberryPi compute module 1, which makes it highly supported by the raspberry community and easy to use.

Details

RTC chip:

RTC chip keeps real time clock running even when piCon is shut down.

DALi gateway:

DALi gateway is a dedicated processor which handles the DALi protocol (hardware and software) and acts like simple DALi master. Communication with raspberry Pi is bidirectional over serial port (USB2com) using simple ASCII protocol or binary (STX/ETX) protocol. It is possible to control pre-defined groups or individual lamps and query status of the lamps.

Modular AddOn Boards:

Raspberry Pi 2 HAT Compatible I/O Connector

piCon AddOn I/O Connector for custom solutions I/O boards (CAN, BT, GPS, GSM, short range radio)

External IO board:

piConIO extension board is useful when you like to connect devices with higher currents and voltages. There are 12 relays and 20 opto isolated digital inputs. It's also capable to measure 4 analog inputs (0-10V) and driving 4 analog outputs (0-10V).

Communication with raspberry Pi is via I2C port, and we can provide code examples for python and C++ and examples how to implement and control piConIO in NodeRed.

- 12x RELE output
- 20x digital input
- 4x analog output (0-10V)
- 4x analog input (0-10V / 4-20mA)