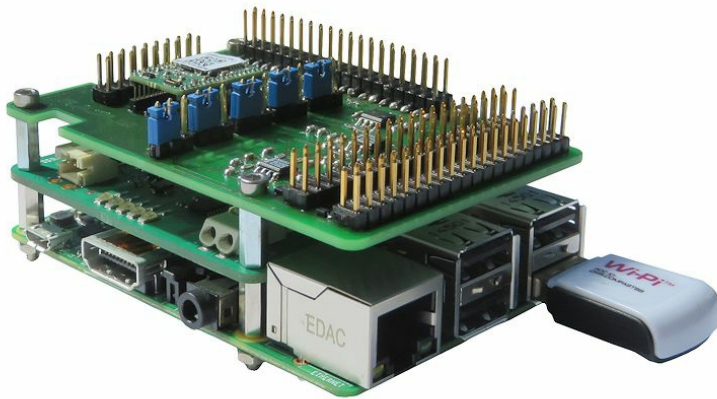


GSV-6PI GSV-6PI



Description

The offer "GSV 6PI" is intended for experienced software developers.

The GSV 6PI provides the ideal development platform for measurement tasks for sensors with strain gauges on Linux. We can implement the complete solution to your needs.

Under <https://github.com/me-systeme/gsv-6ToWAMP> see suggestions.

11/08/2016: For Raspberry PI3: <https://github.com/me-systeme/gsv-6ToWAMP/tree/gsv-6ToWAMP-for-RASPI3>

11/14/2016: Image for Raspberry PI3 with GSV-6ToWAMP (Size 1.8GByte): https://www.me-systeme.de/setup/source/gsv-6pi/Raspbian_GSV-6ToWAMP_for_Pi3_04_10_2016.zip

Technical Data

Input analog

Number of analog inputs	6
Input sensitivity-steps	2.0 8 1.0 0.5 0.2 0.1 mV/V
Input resistance strain-gauge-full-bridge	120 ... 5000 Ohm
Input resistance strain-gauge-half- /quarter-bridge	120 350 1000 Ohm
Input voltage f	-10 ... 10 V
Temperature input-type	PT1000

Supply

Supply voltage f	7 ... 24 V
Strain gauge bridge supply	3 V

Interface

Type of the interface	Wi-Fi ethernet usb bluetooth
Quantity of the interface	4

Basis Data

Dimensions	90 x 60 x 35 mm x mm x mm
Connection	Connector
Connection type	pin strip
Number of channels	6-channel

Manual

Note on the bridge circuit: The allowable range for + Ud and -Ud is 1.32V to 1.68V. The maximum, unbalanced series resistor (one-sided series resistance in + Us or -Us) must not exceed 26% of the bridge resistance.

The table lists the maximum possible series resistors, which may be unilaterally connected in + Us or -Us.

Strain Gauge bridge circuit	Max. Series resistor unbalanced
350 Ohms	91 Ohms
700 Ohms	182 Ohms
1000 Ohms	260 Ohms
1400 Ohms	364 Ohms

accessories

Description	Description
	GSV-6PI Adapter board
	PCB with 2x SubD44HD connectors to connect the K6D sensor to GSV-6PI;