

Controller - Datasheet

PI736-01 – Controller

Hardware – powerful and reliable

Dimensions

Rack insert: 4U rack insert 400mm deep
Desktop case (option): 198 x 520 x 400mm

Electrical supply

100-240V 50Hz 200W max. / fuses T6.3AH, 250V

IPC specifications

CPU: Intel i5 RAM: 8GB
OS: WIN10 IoT SSD: 2x 480GB RAID1

Display (option): 7" touch display

Connections

ETH IPC	Direct connection to the IPC
HDMI	HDMI out for optional monitor
USB1-3	USB ports
COM1-4	Serial COM ports RS232/422/485
	9-pol DSUB
24VDC OUT	Power out for additional devices
	24V DC 150W max.
ETH1-4	Ethernet ports internal switch for measurement network.

Software - SILANA – modular data acquisition system

Functions

- WebGUI for full overview
- Open interfaces to own GUI applications
- Up to 2'000 channels
- Suitable for long-term measurements
- Adjustable sampling rate from 0.1 - 10 Hz
- Easy integration of existing data acquisition hardware
- Dynamic installation of additional drivers through plug-in architecture
- Easy saving and recalling of different configurations Excel Import
- Event log for continuous traceability
- Access to sensor database for calibration and linearisation of channel data
- Forced Values adjustable for each channel at runtime

Data storage

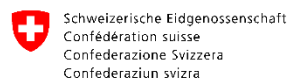
- Local storage of raw data as CSV files
- Remote storage in database (InfluxDB)

Fieldbus technologies

- Pre-installed drivers for Modbus RTU/TCP
- Easy programmable interfaces (LabVIEW)



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