POSSIBILITIES START HERE

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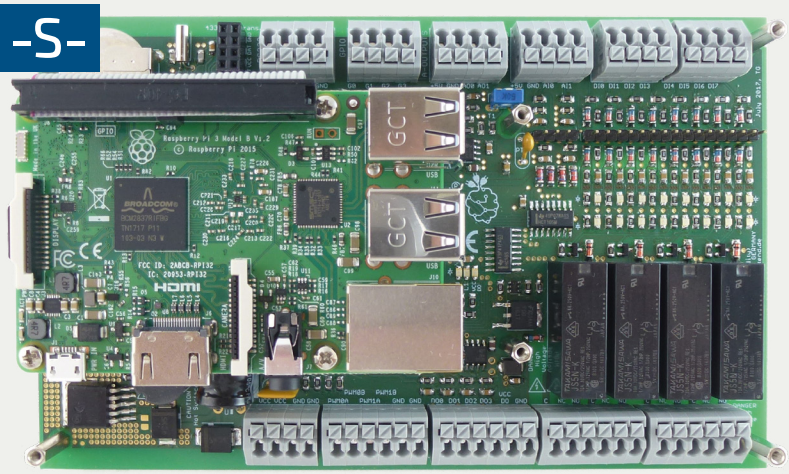
PiXtend® V2 -S-



PiXtend® V2 -S- FAST, RELIABLE AND CONNECTION FRIENDLY

PiXtend is a programmable logic controller based on the high-performing Raspberry Pi single-board computer. Its broad array of digital and analog inputs and outputs lets you connect virtually any sensor or actuator from the industry or maker sector. Other devices, controllers and computer system are easily connected via serial standard interfaces (RS232, Ethernet and WiFi). All these robust interfaces comply with the SPS standard (IEC 61131-2).

CODESYS V3 and PiXtend® let you memory-program controls using the globally recognized IEC 61131-3 standard for PLC programming languages. An integrated CODESYS web visualization tool is available for displaying your control elements, diagrams and graphics on your smartphone, tablet or PC. Remote access via the Internet has never been easier!

FEATURES

- Retain memory protects key data against power failure
- Industrial outputs, HighSide switches with separate feed and all-round protection
- Control and regulate short cycle times, 2.5 ms at 400 Hz
- Use Node-RED to turn PiXtend V2 into an edge device and graphically link and configure data flows

CLIENT BENEFITS

- Easy design-in thanks to connection planner, 3D models and detailed manuals
- Quad PWM for actuating drives and model servos, without costly add-on modules
- Perfect connections, high-grade clamps, optional plug-in version

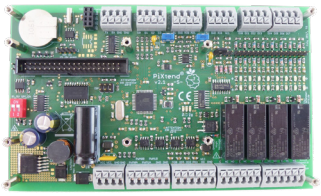
APPLICATIONS

- Mechanical engineering controller
- Plant engineering controller

TECHNICAL DATA

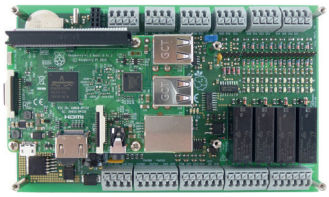
HARDWARE	PiXtend® V2 -S-
Power supply	24V DC ±20%
Retain-/Remanence memory	32 Bytes Flash EEPROM
Real Time Clock (RTC)	With battery buffering
Temperature- and Air Humidity Sensors	Up to 4 DHT11, DHT22, AM2302
RS232	1x
RS485	Via USB-Dongle
Digital inputs (DI)	8x 3,3 / 5 / 12 / 24V
Digital outputs (DO)	4x PNP 5 / 12 / 24V, 0,5A
Analog voltage inputs (AI-U)	2x 0...5V, 0...10V, 10 Bit
Analog voltage outputs (AO)	2x 0...10V, 10 Bit
Relais	4x, max. 230V / 6A
PWM-/Servo outputs	2x 16 Bit, 2x 8 Bit resolution, 5V
GPIO	4x 5V GPIO
Interfaces and I/Os	Short circuit proof, supply with reverse polarity and overload protection (self-resetting safety device)
Max. temperature range	0°C...50°C
Dimension – without housing	166.3 x 101.8 x 27 mm
Top hat rail housing	Aluminium
Supported RPI models	1 B+, 2B, 3 B, 3 B+ 4 B (Extension Board & Basic)
SOFTWARE	
Short cycle times	2.5 ms (400Hz)
Support for	CODESYS V3, C- and Phyton Library, FHEM, Node-RED

V2 -S- EXTENSION BOARD



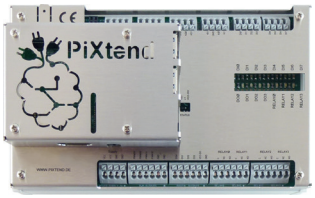
- Without Raspberry Pi
- Connect to RPi and go!
- Item no.: 50199 004

V2 -S- ePLC® BASIC



- Board basic version
- Includes Raspberry Pi
- Open version
- Preinstalled SD card
  Basis Image
  Item no.: 50199 005
  CODESYS Image
  Item no.: 50199 013

V2 -S- ePLC® PRO



- Complete device - Pro
- Incl. Raspberry Pi
- Top hat rail housing
- Brushed stainless steel cover
- Preinstalled SD card
  Basis Image
  Item no.: 50199 006
  CODESYS Image
  Item no.: 50199 014

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