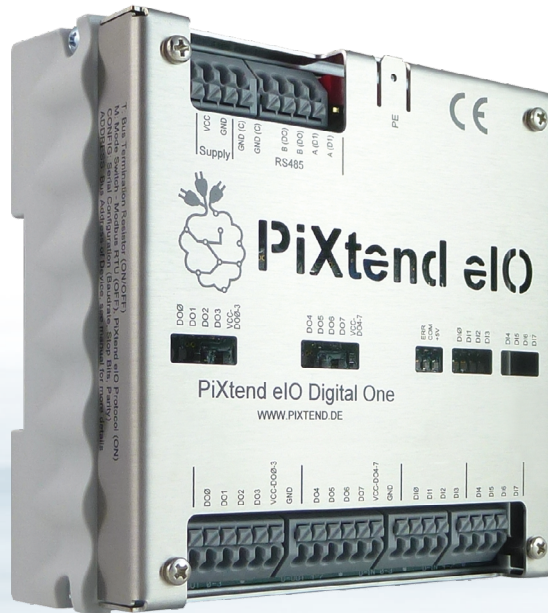


PiXtend® eIO



PiXtend® eIO - fast, reliable and connection friendly

- ▶ Counter function: Up/down counter, 2-channel counter independently of bus cycle
- ▶ Up to 32 devices can be operated in one network/bus
- ▶ The eIO devices can be addressed via Modbus RTU and our lean "PiXtend eIO ASCII Protocol"

POSSIBILITIES START HERE

PiXtend® eIO

PiXtend® eIO is the I/O expansion system for standard digital and analog inputs and outputs and acts as an ideal complement to our PiXtend® V2 controller. Thanks to ultra-fast HyperLogic, simple, logical links between inputs and outputs can be implemented by the modules themselves, eliminating the need to transmit data via the bus system. The

digital inputs can be used to count events, meaning that this process does not have to be implemented via software. The devices are connected via robust RS485 bus. Modbus RTU support lets you easily integrate eIO devices with existing systems. PiXtend® eIO: Simple and user-friendly communication and protocols!

CLIENT BENEFITS

- ▶ Industrial outputs, 8x HighSide switch, 2-group feed, fully protected
- ▶ Watchdog timer for data transmission monitoring, secured via CRC checksum. Where required, outputs can be set to an adjustable safe state if required

APPLICATIONS

- ▶ Mechanical engineering controller
- ▶ Plant engineering controller

▶ TECHNICAL INFORMATION

FUNCTION		PiXtend® eIO DIGITAL ONE	PiXtend® eIO ANALOG ONE
HARDWARE	POWER SUPPLY COMMUNICATION DIGITAL INPUTS(DI) INCL. COUNTING FUNCTION DIGITAL OUTPUTS (DO) ANALOG VOLTAGE INPUTS (AI-U) ANALOG CURRENT INPUTS (AI-I) ANALOG VOLTAGE OUTPUTS (AO-U) ANALOG CURRENT OUTPUTS (AO-I) WRE-BREAK DETECTION TEMPERATURE RANGE DIMENSIONS - WITHOUT HOUSING (BASIC) DIMENSIONS - WITH HOUSING (PRO) FORM FACTOR CONFORMITY PiXtend-COMPATIBILITY BAUD RATE	24 V DC ±20 % EIA/RS485, halbduplex (2-wire) 8x 3,3/5/12/24 V 8x 0.5 A, 5/12/24 V, HyperLogic <1 ms - - - - - 0 °C...+60 °C 96.3 x 101.8 x 21 mm 106 x 105 x 45 mm Aluminium housing for mounting on mounting rail CE, RoHS, Modbus, IEC 61131-2 (SPS-norm) direct: V2-L-, V2-S- with USB-RS485 Dongle from 2400 to 230400, parity: none, even or uneven	24 V DC ±20 % EIA/RS485, halbduplex (2-wire) - - 4x 0...5 V/0...10 V, 10 Bit 4x 0...20 mA, 10 Bit 4x 0...10 V, 12 Bit 2x 0...20 mA, 12 Bit bei 0...20 mA outputs 0 °C...+60 °C 96.3 x 101.8 x 21 mm 106 x 105 x 45 mm Aluminium housing for mounting on mounting rail CE, RoHS, Modbus, IEC 61131-2 (SPS-norm) direct: V2-L-, V2-S- with USB-RS485 Dongle from 2400 to 230400, parity: none, even or uneven
SOFTWARE	SUPPORTED PROTOCOLS FAST DIGITAL LOGIC "HYPERLOGIC" SECURITY SUPPORT FOR	Modbus RTU, PiXtend eIO ASCII Protocol Available Watchdog-Timer, CRC-checksum, Parity-Check CODESYS V3, Java, C, C++, C#, Python, FHEM, Node-RED	Modbus RTU, PiXtend eIO ASCII Protocol - Watchdog-Timer, CRC-checksum, Parity-Check CODESYS V3, Java, C, C++, C#, Python, FHEM, Node-RED

Your Contact

Kontron Electronics GmbH
 Kantstraße 10
 72663 Großbettlingen, Germany
 Tel.: + 49 7022 4057-0
 Fax: + 49 7022 4057-22
 info@kontron-electronics.de
www.kontron-electronics.de

Global Headquarters

Kontron S&T AG
 Lise-Meitner-Str. 3-5
 86156 Augsburg, Germany
 Tel.: + 49 821 4086 0
 Fax: + 49 821 4086 111
 info@kontron.com
www.kontron.com