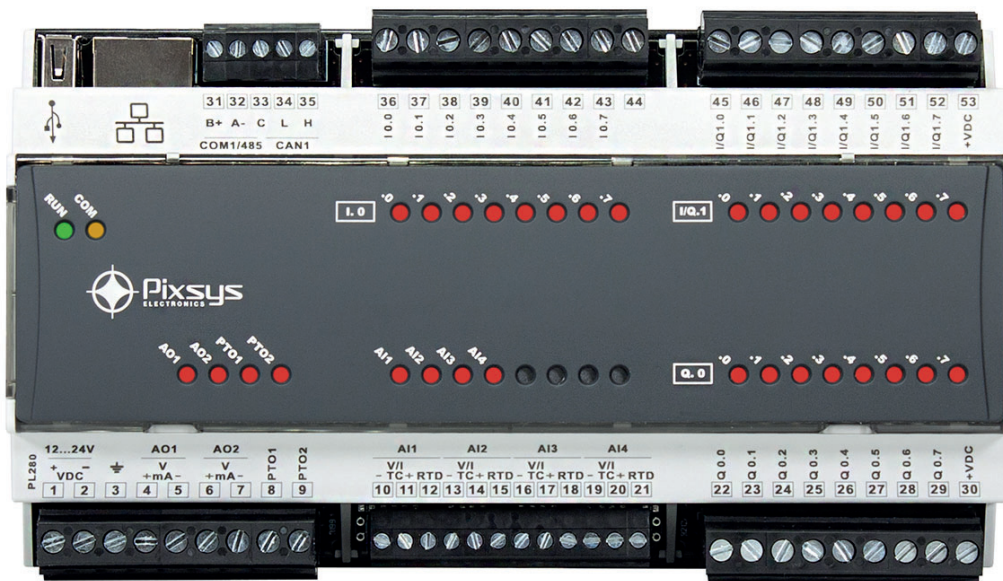


# PL280

**LOGIC LAB**  
IEC 61131-3 ENVIRONMENT



## Compact **PLC** Integrated I/Os

- ✓ Programming tool standard IEC61131-3
- ✓ Fieldbuses:
  - Modbus RTU master/slave
  - Modbus TCP master/slave
  - CAN Open master
  - PLE-DIN-BUS (real time) on DIN RAIL
- ✓ PID autotuning algorithm dedicated to process control

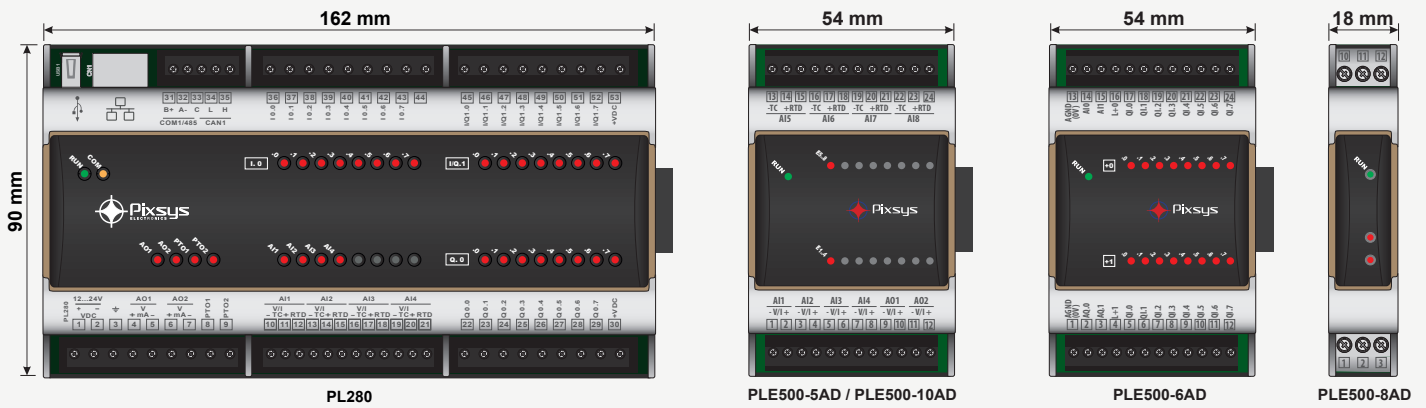
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## PL280 MAIN FEATURES

BOX	DIN43880 - 9x mod - 162x90x64 Noryl VO
POWER SUPPLY	12..24V DC +/- 15% - approximately 5W consumption
OPERATING CONDITIONS	Temperature 0-45°C, humidity 35..95 RH%
SEALING	IP20 (box and terminal blocks) - Terminal blocks: Extractable
SOFTWARE TOOL	LogicLab, 5 programming languages: Instruction list, Structured text, Function blocks diagram, Ladder diagram, Sequential Function chart (IEC61131-1)
PROCESSOR / MEMORY	ARM Cortex H7 @480MHz / Flash 2Mb / RAM 1MB
EXPANSION BUS	1x PLE-DIN-BUS (real time) on DIN RAIL
FIELD BUS	1x RS485 (Modbus RTU Master/Slave), 1x CANopen (Master)
ETHERNET	1x port 10/100 Base-T on RJ45 connector (Modbus TCP master/slave)
USB	1x port for PLC logic files update

## PL280 INTEGRATED I/O

DIGITAL INPUT	8 PNP + 8 selectable
DIGITAL OUTPUT	8 PNP + 8 selectable
ENCODER INPUT	4x (Res. 32bit, 50KHz) Push Pull
ANALOGUE INPUT	4x TC type K,S,R,J, PT100, PT500, PT1000, Ni100, PTC1K, NTC10K, ( $\beta$ 3435K), potentiometer 6K $\Omega$ , 150K $\Omega$ (50000pts) 0..60mV (16000pts), 4x 0..10V (54000pts), 0/4..20mA (40000pts)
ANALOGUE OUTPUT	2x 0..10V / 4..20mA
PTO - PULSE TRAIN OUTPUTS	2x 100KHz

PLE500 MODULES	PLE500-6AD	PLE500-5AD	PLE500-8AD	PLE500-10AD
POWER SUPPLY	From PLE-DIN-BUS on DIN RAIL			
BUS PROTOCOL	PLE-DIN-BUS (real time) on DIN RAIL			
DIGITAL INPUT	16 PNP (selectable)	○	○	○
DIGITAL OUTPUT	16 PNP (selectable)	○	2 PNP	○
ENCODER INPUT	4 PNP (Res. 32bit, 50KHz)	○	○	○
ANALOGUE INPUT	2x (Res.16bit) 4..20mA/0..10V (40000pts.)	4x (Res. 16bit) TC type K, S, R, J, PT100, PT500, PT1000, Ni100, PTC1K, NTC10K, ( $\beta$ 3435K), potentiometer 6K $\Omega$ , 150K $\Omega$ (50000pts.) 0..60mV (16000pts.)	1x (Res. 16bit) TC type K, S, R, J, PT100, PT500, PT1000, Ni100, PTC1K, NTC10K, ( $\beta$ 3435K), 0.10V (54000pts.), 0/4..20mA (40000pts.), 0..60mV (16000pts.), potentiometer 6 K $\Omega$ , 150K $\Omega$ (50000pts.)	4x 0..10V (54000 pts.), 0/4..20mA (40000pts.)
ANALOGUE OUTPUT	2x 0/4..20mA	2x 0..10V / 4..20mA	1x 0/4..20mA	2x 0..10V / 4..20mA
C.T. INPUT	○	○	50mA - 20ms - 4096pts.	○
GALVANICAL ISOLATION	From supply to serial Bus			

## ORDERING CODES

PL280-1AD	PLC DIN Rail 1 Ethernet, 1 RS485, 1 CANopen, 1 PLE-DIN-BUS, 4 Analog inputs, 2 Analog outputs, 24 Digital I/O, 2 Pulse train outputs
PLE500-5AD	PLC Expansion 4 Analogue Inputs RTD/TC, 4 Analogue Inputs 4..20mA 0..10V, 2 Analogue Outputs
PLE500-6AD	PLC Expansion 16 Digital Inputs/Outputs, 2 Analogue Inputs, 2 Analogue Outputs
PLE500-8AD	PLC Expansion 1 Analogue Input, 2 Digital Outputs, 1 Analogue Output
PLE500-10AD	PLC Expansion 4 Analogue Inputs 4..20mA 0..10V, 2 Analogue Outputs