

PL600

Modular, flexible, powerful PLC



Modular concept: CPU unit, analogue – digital I/O

Fieldbus protocols:

- Modbus RTU
- CAN Open
- Modbus TCP

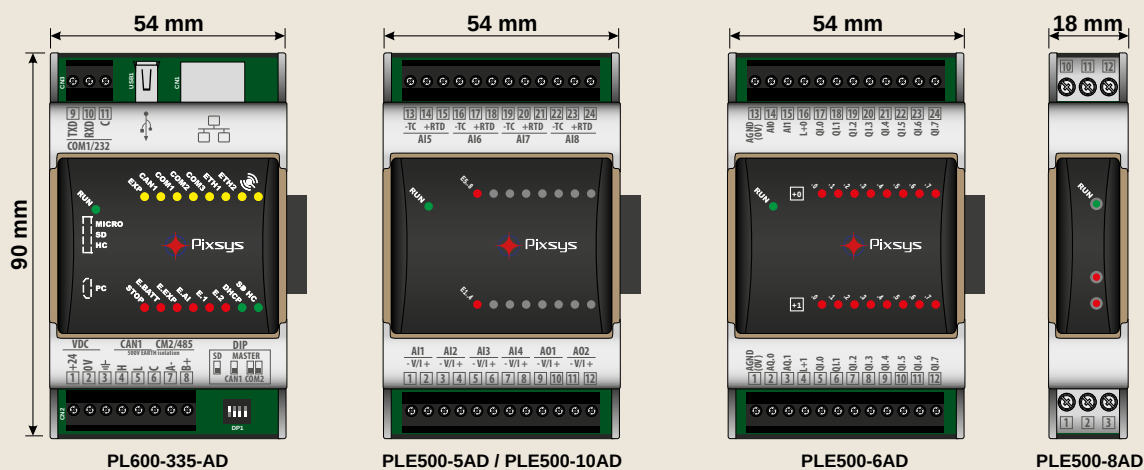
IIoT protocols:

- Web Server HTML 5
- MQTT client
- OPC UA Server

Autotuning module dedicate to process control

Pixsys Portal VPN - Remote Control and Assistance tool – passthrough

Optional Dual Ethernet Port – Distinct networks



Main features

BOX	DIN43880 - 3x mod. 54x90x64 (PL700, PLE500-5AD, PLE500-6AD, PLE500-10AD), 1 module 18x90x64 (PLE500-8AD)
POWER SUPPLY	12..24 V DC +/- 15%
POWER CONSUMPTION	3 W
OPERATING CONDITIONS	Temperature 0-45 °C, humidity 35..95 RH%
MATERIAL	Noryl V0
WEIGHT	Approx. 250 g
SEALING	IP20 (box and terminal blocks)
TERMINAL BLOCKS	Extractable
OPERATING SYSTEM	Linux
SOFTWARE TOOL	LogicLab, 5 programming languages: Instruction list, Structured text, Function blocks diagram, Ladder diagram, Sequential Function chart (IEC61131-1)
MQTT	MQTT client integrated with LogicLab PLC, encryption supported
VIRTUAL HMI MODE	Graphic interface through Web Server HTML5 and VNC services integrated in LogicLab Runtime

PL600 Technical data (CPU)

PROCESSOR	ARM Cortex A8-1 GHz
MEMORY	Flash 2Gb pSLC Technology / RAM 512 MB DDR3
MEMORY CARD	Micro SD
EXPANSION BUS	PLE-DIN-BUS (real time) on DIN RAIL
FIELD BUS	RS485 (Modbus RTU Master/Slave), RS232 (Modbus RTU Master/Slave), CANopen (Master)
USB	1 port for update PLC logic file, datalogger export
USB	1 port 10/100 Base-T on RJ45 connector in switch mode

PLE500 Technical data (I/O modules)

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

Ordering codes

PL600-335-AD	PLC DIN Rail 1 Ethernet, 1 RS485, 1 RS232, 1 CANopen
PLE500-6AD	PLC Expansion 16 Digital Inputs/Outputs, 2 Analogue Inputs, 2 Analogue Outputs
PLE500-5AD	PLC Expansion 4 Analogue Inputs RTD/TC, 4 Analogue Inputs 4..20mA 0..10V, 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