

PL600

LOGIC LAB
IEC 61131-3 ENVIRONMENT



Modular **PLC**

- ✓ LogicLab runtime, Linux Debian OS
- ✓ Fieldbus: Modbus RTU, CANopen, Modbus TCP
- ✓ IIoT: Web Server HTML 5, MQTT client, OPC UA Server
- ✓ PID Autotuning module for process control
- ✓ Pixsys Portal VPN – Remote Control and Assistance tool

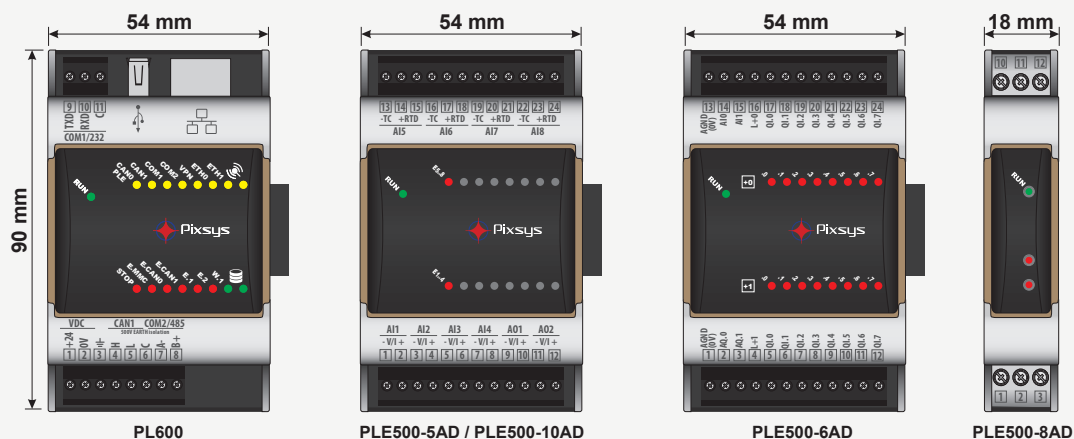


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PL600 MAIN FEATURES

BOX	DIN43880 - 3x mod. 54x90x64 (PL600, PLE500-5AD/6AD/10AD), 1 mod. 18x90x64 (PLE500-8AD)
POWER SUPPLY - CONS.	12..24V DC +/- 15% - 3W
OPERATING CONDITIONS	Temperature 0-45°C, humidity 35..95 RH%
MATERIAL - WEIGHT	Noryl V0 - Approx. 250g
SEALING	IP20 (box and terminal blocks) - Terminal blocks: Extractable
PROCESSOR	ARM Cortex A8 @1GHz
MEMORY	Flash 2Gb pSLC Technology / RAM 512MB DDR3
EXPANSION BUS	PLE-DIN-BUS (real time) on DIN RAIL
SERIAL PORT	2x RS485 or 1x RS485 + 1x RS232, 1x CANopen
USB - MEMORY CARD	1x USB port for update PLC logic file, datalogger export 1x Micro SD slot for system update and storage expansion
ETHERNET	1x 10/100 Base-T on RJ45 connector + 1x optional 10/100 Base-T on USB adapter
OPERATING SYSTEM	Linux Debian 11 Real Time
SOFTWARE TOOL	LogicLab, 5 programming languages: Instruction list, Structured text, Function blocks diagram, Ladder diagram, Sequential Function chart (IEC61131-1)
PROTOCOLS	Modbus RTU and TCP master/slave, CANopen master, OPC UA server, MQTT client (encryption supported)
VIRTUAL HMI MODE	Graphic interface through Web Server HTML5 and VNC services integrated in LogicLab Runtime
PIXSYS PORTAL (VPN)	Remote control and assistance service (optional)

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	4x (Res. 32bit, 50KHz) Push Pull	○	○	○
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, (β 3435K), potentiometer 6KΩ, 150KΩ (50000pts.) 0..60mV (16000pts.) 4x 0..10V (54000pts.), 0/4..20mA (40000pts.)	1x (Res. 16bit) TC type K, S, R, J, PT100, PT500, PT1000, Ni100, PTC1K, NTC10K, (β 3435K), 0..10V (54000pts.), 0/4..20mA (40000pts.), 0..60mV (16000pts.), potentiometer 6KΩ, 150KΩ (50000pts.)	4x 0..10V (54000pts.), 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 - 4096 pts.	○
GALVANICAL ISOLATION	From supply to serial Bus			

ORDERING CODES

PL600-340-1AD	PLC DIN Rail 1 Ethernet, 1..2 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