

PL700



Modular **PLC**

- ✓ CODESYS V. 3.5 runtime, Linux Debian OS
- ✓ CODESYS OPC UA server/client, WebVisu HTML5 interface
- ✓ Fieldbuses:
 - EtherCAT master
 - PROFINET device
 - EtherNet/IP adapter
 - Modbus TCP master/slave, RTU master
 - CANopen master
- ✓ Pixsys Portal VPN – Remote Control and Assistance tool

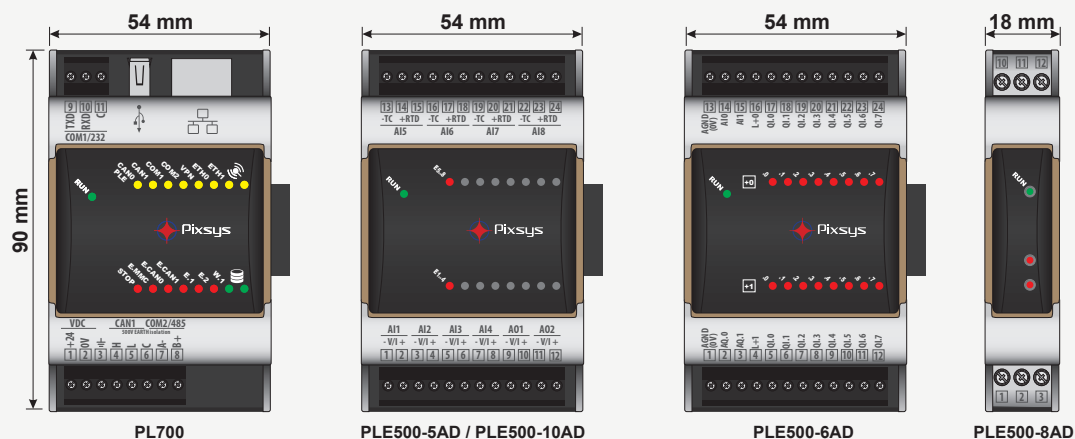


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PL700 MAIN FEATURES

BOX	DIN43880 - 3x mod. 54x90x64 (PL700, PLE500-5AD/6AD/10AD), 1 mod. 18x90x64 (PLE500-8AD)
POWER SUPPLY - UPS	12..24V DC +/- 15%, 3Watt/VA - Built-in UPS for persistent variables
OPERATING CONDITIONS	Temperature 0-45°C, humidity 35..95 RH%
MATERIAL - WEIGHT	Box: Noryl V0, Front: self-extinguishing V0 silicone rubber - 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	CODESYS 3.5
PROTOCOLS	EtherCAT master, PROFINET device, EtherNet/IP, Modbus RTU master and TCP master/slave, CANopen master, OPC UA server/client, MQTT client (encryption supported)
HTML5 WEB SERVER	CODESYS WebVisu HTML5 Web Server (optional)
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 - 4096pts.	○
GALVANICAL ISOLATION	From supply to serial Bus			

ORDERING CODES

PL700-340-1AD	PLC DIN Rail 1 Ethernet, 1..2 RS485, 1 RS232, 1 CANopen
PL700-340-2AD	PLC DIN Rail 1 Ethernet, 1..2 RS485, 1 RS232, 1 CANopen + WebVisu
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