

PLX800



IPC – ARM Edge Device

- ✓ PIXSYS OS based on Linux Yocto 5 – Secure by Design
- ✓ Scalability 4 / 6 / 8 cores CPU
- ✓ Podman containers engine (Docker compatible)
- ✓ Built-in I/Os galvanic isolated
- ✓ 3 separate MAC-addresses Ethernet
- ✓ Video interface for external monitor
- ✓ POE PSE power source
- ✓ Pixsys Portal VPN – Remote Control and Assistance tool
- ✓ Rugged aluminum housing shielded and heat dissipating

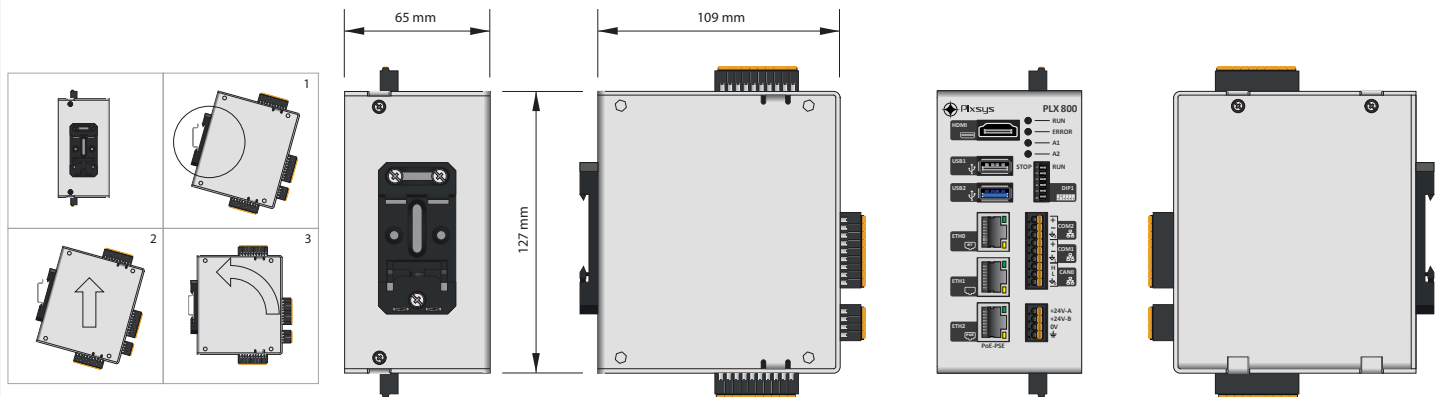


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WWW.PIXSYS.NET



PLX800 MAIN FEATURES	P2	P3	P4
BOX	Aluminum - 65 x 127 x 109mm, 390g circa		
POWER SUPPLY	24V DC ± 10% class 2 - Overvoltage category: 2- Redundant supply managed by OS		
OPERATING CONDITIONS	Temperature 0-45°C, humidity 35..95 RH%, 2000m		
CPU	PX30 Quad-Core	RK3399 Hexa-Core	R43588 Octa-Core
RAM MEMORY	2Gb DDR4	2Gb DDR3	4Gb DDR4
EMMC	16Gb	16Gb	32Gb
GPU	ARM Mali-G31 2EE	ARM Mali T864 MP4	ARM Mali-G610 MP4
DIGITAL INPUTS	8 PNP inputs I.0-I.7 12-24 V DC galvanic isolated, IEC61131-2 type1/type3		
DIGITAL OUTPUTS	8 power outputs Q.0-Q.7 - Max 500mA per output 12-24V DC galvanic isolated		
SERIAL COMMUNICATION	RS485, 2x COM with Modbus RTU master/slave protocol, 115200 baud		
CAN	CAN (50K.. 1Mbit) galvanic isolated		
ETHERNET (WITH SEPARATE MAC ADDRESSES)	1x 10/100Mbit/s 2x 1Gbit/s (1x POE PSE)	3x 1Gbit/s (1x POE PSE)	3x 1Gbit/s (1x POE PSE)
UPS	Integrated supercapacitor UPS for retentive memory backup upon shutdown		
USB	1x USB 2.0 type A + 1x USB 3.0 type A		
VIDEO INTERFACE	not available	1x	1x
OPERATING SYSTEM	PIXSYS OS 2.0 (Linux Yocto 5 based) - Secure by Design Remote update		
PIXSYS PORTAL (VPN)	Remote control and assistance service		
CONTAINERS	PODMAN containers engine (Docker compatible)		

PRODUCT CODING

PLX800 - A256 - P3 -

Power supply
A - 24V

NVME SSD
'' - not present
128 - 128Gb NVME
256 - 256Gb NVME
512 - 512Gb NVME

Processor
P2 - PX30 (4-core)
P3 - RK3399 (6-core)
P4 - RK5388 (8-core)

- **E** Edge device / Podman containers
- **C*** Codesys runtime
- **L*** LogicLab runtime
- **A*** Atvise SCADA
- **P** Pixsys Portal

* Optional license levels

Sample codes:

PLX800-A256-P4-E	PLX800, 24V, 256Gb, RK5388 (8-core), Podman containers only
PLX800-A-P3-L2-A2	PLX800, 24V, no SSD, RK3399 (6-core), LogicLab Medium license, Atvise Medium license
PLX800-A128-P3-C3	PLX800, 24V, 128Gb, RK3399 (6-core), Codesys Control Large license
PLX800-A-P2-L1-P	PLX800, 24V, no SSD, PX30 (4-core), LogicLab small license, Pixsys Portal