

DESCRIPTION

ProSys-5101 is the smallest member of the ProSys product family. The compact, application-ready platform features a low-power CPU for various industrial application areas such as process control, security, digital signage, IoT edge points and more. A wide selection of I/Os provides a maximum of connectivity. All this makes ProSys-5101 ideal for collecting data of all kinds of sensors that make the Industrial Internet of Things so powerful.

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FEATURES

- CPU Intel® Atom Processors
- Fanless design
- Ready for use in industrial environments
- Rich I/O combination
- Industrial power Input 16 - 36 VDC
- Optional DIN rail mounting on side or rear part

BENEFITS

- Excellent interaction with other components of the ProSys product family
- Extremely well-balanced selection of components
- Compact profile design
- Dual GbE for security applications
- Various mounting options



SPECIFICATIONS

CPU

Intel® Atom® x5-E3930 Dual-Core 1.3 1.8 GHz (6.5 W)
 Intel® Atom® x5-E3940 Quad-Core 1.6 1.8 GHz (9.5 W)
 Intel® Atom® x7-E3950 Quad-Core 1.6 2.0 GHz (12 W)

Memory

1x DDR3L SO-DIMM up to 8 GB

Graphics

Intel® HD Graphics
 OpenGL 4.2, Direct X 11.1, OpenCL 1.2, OGL ES 3.0
 1x VGA (resolution up to 1920 x 1200 @ 60 Hz)
 1x LVDS (dual channel 24-bit, resolution up to 1920x1200 @ 60 Hz)
 1x HDMI (resolution up to 3840 x 2160 @ 30 Hz)

Storage

Up to 512 GB M.2 2242 key B (SATA or NVMe)
 1x SATA 3.0 (up to 6 Gb/s)
 1x SATA Power

I/O Connection

Front panel
 2x USB 3.0
 2x USB 2.0
 1x VGA
 1x HDMI
 2x GbE LAN

Internal:
 1x RS-232/422/485
 2x USB 2.0
 1x LVDS
 1x LCD/Inverter Power
 1x Audio (Line-out / MIC-in)
 1x 8-bit DIO
 1x SMBus
 1x mPCIe (Full-size) (USB/PCIe) with SIM slot (option)
 1x M.2 2242 Key B (PCIe/USB 2.0/SATA 3.0)
 1x M.2 2230 Key E (USB/PCIe)

Audio

Realtek ALC262

Power

16-36 VDC Inout via Würth Connector WRTBL 3175

Physical

186 mm x 109.4 mm x 50 mm (without DIN-rail bracket)

Environmental

Operating Temperature:	Intel® Atom® x5-E3930:	0 °C to +60 °C (without heatsink)
	Intel® Atom® x5-E3940:	0 °C to +50 °C (without heatsink) 0 °C to +60 °C (with 100 mm heatsink)
Storage Temperature:	Intel® Atom® x7-E3950:	0 °C to +40 °C (without heatsink) 0 °C to +50 °C (with 100 mm heatsink)
Humidity:	-40 °C to +85 °C 5 to 90 % RH, non-condensing	

Operation Systems

Windows 10, Windows IoT, Linux

Certifications

EN55022 class B

Part numbers

063-522 Intel® Atom® x5-E3930
 063-501 Intel® Atom® x5-E3940
 063-523 Intel® Atom® x7-E3950