

## DESCRIPTION

The third member of the ProSys product family is a highly scalable industrial computing platform. ProSys5103 is available with a wide range of processors, storage options, I/Os and expansion boards. It can be mounted within machines, or in any other industrial environment. The system supports a wide selection of Field Busses.

## FEATURES

- Wide range of Skylake family CPU options
- Up to 32 GB RAM
- Fanless design, with optional fan cassette, externally mounted for high power CPU options
- Ready for use in industrial environments
- 2x pluggable HDD/SSD and internal mSATA/HDD/SSD
- 4x miniPCIe expansion slots
- 3x PCIe expansion slots (1x PCIe x8 Gen 3, 2x PCIe x4 Gen 3)
- 18 to 36 VDC Power Input
- Wall-mounting ready
- All connectors on front side

## BENEFITS

- Excellent interaction with other components of the ProSys product family
- Numerous expansion options
- IoT/Industrie 4.0 ready
- Higher CPU performance options due to external fan cassette
- Suitable for SCADA, visualization, security, industrial connectivity video/camera and more.



## SPECIFICATIONS

### CPU

Wide range of Skylake family CPU options, e.g.

- Xeon E3-1515M v5 2.8/3.7 GHz
- Xeon E3-1505M v5 2.8/3.7 GHz
- Xeon E3-1505L v5 2.0/2.8 GHz
- Core i7-6820EQ 2.8/3.5 GHz
- Core i7-6822EQ 2.0/2.8 GHz
- Core i5-6440EQ 2.7/3.4 GHz
- Core i5-6442EQ 1.9/2.7 GHz
- Core i3-6100E 2.7 GHz
- Core i3-6102E 1.9 GHz

### BIOS

AMI EFI with CMOS backup in 16 MB SPI BIOS with Intel® AMT 11.0 support

### Memory

Up to 32 GB Dual Channel DDR4 at 1867/2133 MHz  
(supports both ECC and non-ECC memory)

### Graphics

Intel® Generation 9 LP Graphics Core Architecture, supporting 3 independent and simultaneous display outputs:

- 2x DisplayPort interfaces by default
- 1x additional display interface available via mezzanine I/O (selectable from DisplayPort, HDMI, DVI, VGA, LVDS or eDP)

### Storage

Internal: mSATA or 2.5" HDD/SSD  
External: 2x SATA III in HDD Bay

### I/O Connection

4x USB 3.0, 2x USB 2.0  
3x GbE LAN  
2x Display Port 1.3  
Multiple IO options (GPIO)  
4x mPCIe socket with customizable I/O area  
3x PCIe Extension slots  
- 1x PCIe x8 Gen 3  
- 2x PCIe x4 Gen 3

### Optional Mezzanine I/Os

USB2.0, Audio, LPC, Serial Interface, GPIOs, Display Port/HDMI/DVI/VGA, GbE LAN

### Power

18 - 36 VDC Input

### Physical

250 mm x 160 mm x 225 mm  
(H 300 mm with optional fan cassette)

### Environmental

Operating temp: 0 °C to +60 °C  
Storage: -20 °C to +80 °C  
Humidity 0 % to 95 %

### Coating

Powder coated

### Operation Systems

Windows 10, Windows IoT, Linux

### Certifications

CE, EN55022 class B conduction emission, EN55022 class A radiated emission