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Единый адрес: psx@nt-rt.ru **Веб-сайт:** www.pixsys.nt-rt.ru

Панели оператора TD900 PIXSYS. Техническое описание

Panel PC 15" 1024x768 TD900

Industrial PC with integrated soft-PLC, reduced depth casing, fanless system, integrated UPS, 15" display, resistive touchscreen.

The PC Panel TD900 is the intermediate size panel in the range of Pixsys industrial PCs. High performance is guaranteed by an Intel Celeron Quad Core, by an SDD data disk with a data transfer function and temperature range suitable for industrial use, even in environments with particular mechanical stresses. Two serial Buses (RS232 and RS485) and two ethernet ports 10/100/1000 ensure connectivity to the main field buses. Thanks to the Mini-PCI Express port, accessible through an opening in the casing, the PC's hardware can be expanded by inserting additional modules such as Wi-Fi cards, additional network card, native field bus.

Innovative solutions

Like all models in the Panel PC range, this PC has a heat dissipation system based on an all aluminium casing that makes the panel fanless. If the power is disconnected, an innovative integrated UPS system automatically closes any open applications correctly, saving open files before shutting down the operating system. The condenser technology of this system eliminates the need for ordinary maintenance required for standard battery powered UPS systems.

Programming

The programmable soft-PLC with the LogicLab development environment (in compliance with IEC-61131 programming standards) allows the development of control logics on board the Panel PC even without the assistance of external PLCs.

The SCADA Movicon 11, produced by Progea and integrated into the Pixsys panels, makes it possible to create synoptics and a direct interface with the integrated soft-PLC or with the third party PLC Connectivity for remote monitoring and maintenance is provided by the TeamViewer software, which is pre-installed on the entire range of Industrial PC.

User friendly, multimedia support and traceability

For the entire range of Pixsys products we provide technical support for installation, programming and operation via our online forum and via Skype.

Programming tutorial videos are available on our youtube channel.

As for the entire range of PIXSYS products, thanks to the QR code the traceability of the product is guaranteed for its entire life cycle; the information and documentation online can be also be accessed by reading the QR CODE that directs your mobile device to the product's technical specifications and verifies its warranty conditions.

Ordering codes

TD900-A64

Panel PC 15", Intel® Celeron® J1900 Quad Core @2.0GHz, 2MB Cache, 2GB RAM DDR3, SSD 64 GB

TD900-A64-4Q

Panel PC 15", Intel® Celeron® J1900 Quad Core @2.0GHz, 2MB Cache, 4GB RAM DDR3, SSD 128 GB

ETD1644-AD

4 AI + 16 D I/O + 4 AO

ETDWIF

Optional module Wi-Fi 802.11 b,g,n

ETD2RS232

Optional module 2 x UART RS232

ETDLAN1G

Optional module 1 x LAN 10/100/1000T RJ45

Main features and display

Box

435 x 330 (front) x 29mm

Power supply

24 V DC $\pm 10\%$ (galvanic isolation 2500V)

Consumption

approx. 14 W / 18 W

Display

Display 15" 1024x768 24bit LVDS, integrated resistive Touchscreen; Backlight led 500cd (lifetime > 20000h)

Operating conditions

Temperature 5 -50 °C, humidity 10-90 %RH (non condensing)

Front panel

Alluminium alloy 6mm, milled, opaque

Weight

approx. 4 Kg

Sealing

Frontal: IP65 ,Box and terminal blocks: IP20

Cooling

Fanless

UPS

Integrated, assisted shut down

Hardware data

CPU

Intel® Celeron® J1900 Quad Core @2.0GHz (4Q - version)

RAM memory

2GB DDR3 SDRAM (up to 4Gb RAM DDR3)

Hard Disk

Sata Solid State Disk SSD 2,5" 24h/24h Anti shock 16/64Gb

Ethernet

2 x LAN 10/100 Base-TX Ethernet RJ-45 interface

Serial Interface

1 X RS232, 1 X CAN(optional), 1 X RS485 Optoisolated from power supply

USB

1 Front+ 2 USB 2.0 Interface on rear panel

Audio

1 Stereo Output 600 Ohm

Clock

Real-Time clock, Back-up battery

ATA Serial

1 X SATA-300 mass storage Interface

Expansion modules

2x Mini-PCI Express, 1x Pixsys expansion connector

Software data

Operating system

Windows® 7 Embedded Pro

Operating logic programming

LogicLab, IEC 61131-3 languages

Graphic interface programming

Movicon 11

Communication protocols

Third parts I/O Driver supported by Movicon, Modbus RTU Master / slave; Free-Port mode for modem protocols or proprietary devices, Modbus TCP/IP Master / Slave, CAN Open Master

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