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	Самара (846)206-03-16	

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

Панели оператора TD750 PIXSYS. Техническое описание

Panel PC 7" 800x600 TD750

Industrial PC with integrated soft-PLC, reduced depth casing, fanless system, integrated UPS, 7" display, resistive touchscreen.



The Panel PC TD750 is the most compact in the line of Pixsys industrial PCs. Its size allows it to be installed in small machines that still require the calculating power of a PC. High performance is guaranteed by an Intel Celeron Quad Core processor, 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 an ethernet port 10/100/1000 ensure connectivity to the main field buses.

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

TD750-A32

Panel PC 7", Intel® Celeron® J1900 Quad Core @2.0GHz, 2MB Cache, 2GB RAM DDR3, SSD 32 GB

ETD1644-AD

4 AI + 16 DI/O + 4AO

ETDWIF-AD

Optional module Wi-Fi 802.11b,g,n

ETD2RS232-AD

Optional module 2 x UART RS232

ETDLAN1G-AD

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

Main features and display

Box

160 x 204 (frontal) x 34mm

Power supply

24V dc ±10%

Consumption

Approx. 12W

Display

Display 7" 800x600 24bit LVDS with integrated resistive Touch; backlight Led 500cd (lifetime > 50000h)

Operating conditions

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

Frontal panel

6mm aluminium alloy, milled, opaque

Weight

Approx. 2 Kg

Sealing

Front panel:IP65 , Box and Terminal blocks: IP20

Cooling

Fanless

UPS

Integrated, assisted shut-down

Hardware features

CPU

Intel® Celeron® J1900 Quad Core @2.0GHz, 2MB Cache

RAM Memory

2GB DDR3 SDRAM (up to 4GB DDR3)

Hard Disk

Sata Solid State Disk SSD 2,5" 24h/24h Anti shock 32GB

Ethernet

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

Serial Interface

1 x RS232, 1 x CAN, 1 x RS485 Optoisolated from power supply

USB

1 Front + 2 Rear USB 2.0 Interface

Audio

1 Mono 1W Out or 1 Stereo 600 Ohm Out

Clock

Real-Time clock, Back-up battery

Serial ATA

1 X SATA-300 mass storage Interfaces

Software features

Operating system

Windows® 7 Embedded

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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