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	Самара (846)206-03-16	

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

Панели оператора TD430 PIXSYS. Техническое описание

Panel HMI 4.3" 480x272 **TD430**

HMI panel with integrated soft-PLC, 4.3" display, resistive touchscreen



TD430 is a touchscreen operator panel featuring Windows CE 6.0 R3 operating system and ARM processor.

The serial Bus (RS485), an ethernet port 10/100 and a CanOpen bus ensure connectivity to the main field buses. It is possible to directly connect digital I/Os (an ETD1644 expansion), creating a complete and compact control system. The USB port, also on the front, provides functions such as data exporting, program updates, and peripheral connections.

The entire range of HMI panels with Windows CE feature a programmable soft-PLC with the LogicLab development environment (compliant with programming standard IEC-61131), which allows the development of control logics in a stand-alone panel, without the support of PLC modules.

The integrated SCADA Movicon 11, developed by Progea, makes it possible to create synoptics and a direct interface with the integrated soft-PLC or with third party PLC.

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

TD430-AD

HMi 4,3" with soft-plc + 1 serial RS485 + 1 CANopen

2400.35.003

Upgrade to Movicon CE Full + Alarm Dispatcher

ETD1644-AD

4 AI + 16 DI/O + 4 AO

MCM260-1AD

16 DO Modbus RTU/CanOpen

MCM260-2AD

16 DI Modbus RTU/CanOpen

MCM260-3AD

8 DI + 8 DO Modbus RTU/CanOpen

MCM260-4AD

8 DI + 8 DO Relays Modbus RTU/CanOpen

MCM260-5AD

4 AI + 2 AO Modbus RTU/CanOpen

Main features

Box

140x100 (front panel) x 38;

Power supply

12..24V AC/DC $\pm 15\%$ 50/60 Hz (galvanic isolation 2500V)

Consumption

4,8W

Display

LCD TFT touch screen 4.3" , 480x272 pixel 16 milion colors; (lifetime typ. 50000h@25°C)

Operating conditions

Temperature 0-45 °C, humidity 35..95 uR% (non condensing)

Material

Front panel: aluminium with polycarbonate coverage; Box: chromed steel

Weight

Approx. 476 gr

Sealing

IP65 (Front panel) , IP20 (Box and Terminal bloks)

Expansion Module on board (opt. max 1)

ETD1644-AD: 4 analogue inputs (res. 16bit) selectable: TC type K, J, S, R (automatic compensation of the cold junction 0..50°C, accuracy @25°C $\pm 0,2\%$ F.S. or ± 1 digit), Thermoresistances PT100, PT500, PT1000, Ni100, PTC1K, NTC10K (B 3435K), Linear inputs 0/4..20mA (40000 points), 0..10V (54000 points), 0..40mV (16000 points), potentiometers F.S. 6/150Kohm (50000 points) – 16 programmable digital I/O, outputs PNP- 3 Encoder Push-Pull res. 32 bit max 80 KHz - 4 programmable analogue outputs mA/Volt

Serial Expansions

Pixsys modules MCM260-1/2/3/4/5, Modbus RTU/TCP or CanOpen devices

Hardware features and communication ports

Processor

ARM V4i 200 MHz

Memory

Flash 256 MB

Serial communication

RS485 galvanic isolated

Field bus

CAN galvanic isolated

USB

1 USB 2.0 for programming on frontal + 1 USB 2.0 on back side + 1 USB Device Host

Ethernet

1 Ethernet 10/100 Base-T on RJ45 connector

Memory card

SD/MMC Reader up to 2GB

Software features

Operating system

Windows CE 6.0 R3

Programming of logics

LogicLab, choice of languages according to IEC 61131-3

Programming of graphic interface

Movicon 11

Communication protocols

Third parts I/O Driver supported by Movicon, ModbusRTU Master/Slave, Modbus TCP/IP Master/Slave, CAN Open Master, Free-port mode for modems or proprietary devices

Clock

Real-Time clock, Back-up battery

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