

По вопросам продаж и поддержки обращайтесь:

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	Самара (846)206-03-16	

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

Панели оператора TD700 PIXSYS. Техническое описание

Panel HMI 7" 800x480 TD700

HMI panel with integrated soft-PLC, 7" display, resistive touchscreen

The TD700 Operator panel is a touchscreen model running the Windows CE 6.0 R3 operating system. The ARM processor and an integrated solid state memory make it suitable for industrial use, even in environments in which it may be subject to mechanical disturbances, such as vibrations.



The two serial Buses (RS232 and RS485), an ethernet port 10/100/1000 and a CanOpen bus ensure connectivity to the main field buses. It is possible to directly connect digital I/Os (up to two ETD880 expansions), 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 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.

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

TD700-AD

HMi 7,0" with soft-plc + 3 serial RS232/RS485

ETD884-AD

Expansion 2 An. 16bit/1msec (loading cells) + 8 Inp. + 8 Statics + 2 outputs Volt/mA

ETD880-AD

Expansion module 8 digital inputs + 8 digital outputs +2 enc. PNP Resolution 24 bit

Main features

Box

204 x160 (front panel 5,7") x 38

Power supply

12...24 V AC / V DC $\pm 15\%$ 50/60 Hz

Power Consumption

3,7W

Display

LCD TFT touch screen 7", 800x480 pixel 16 milion colors, (lifetime typ. 20,000 hours @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. 937 gr

Sealing

Front panel: IP65 , Box and Terminal bloks: IP20

Expansion module (on special connector)

ETD884-AD Expansion: 2 load cell inp. with integrated power supply for the cell, 8 digital inputs, 2 Encoder inputs 24bit PNP/TTL, 8 digital outputs, 2 analogue outputs V/mA, 4 analogue inp. NTC/PTC/V/mA

Serial expansions

Pixsys modules MCM260-1/2/3/4/5 or other Modbus devices

Hardware features and communication ports

Processor

ARM V4i 200 MHz

Memory

Flash 256 MB

Serial communication

RS485/RS232 (1200..115200 Baud) galvanic isolated

Field bus

CAN (70K..1Mbit) galvanic isolated

USB

1 USB 2.0 on frontal + 1 USB 2.0 on black side.

Ethernet

1 Ethernet 10/100 Base-T on RJ45 connector

Memory card

SD/MMC Reader

Software features

Operating system

Windows CE 6.0 R3

Programming of operating logics

Logiclab (Pixsys Suite), optional choice of languages according to IEC 61131-3

Programming of graphic interface

Movicon 11

Communication protocols

Modbus RTU Master/Slave; Modbus TCT/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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