

TX500 HMI / PLC Series

7" Display - CODESYS V3 PLC with TARGET and WEB VISU High-Quality Metal Housing with a Resistive Touch Screen TX507E-P3CV01

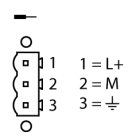
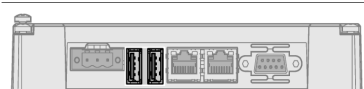
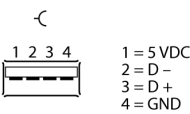
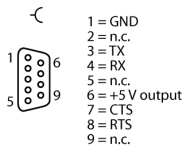
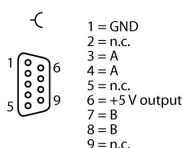
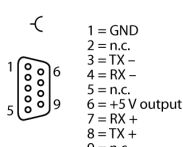


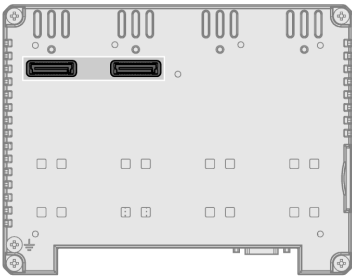
- 7" TFT wide screen color display
- LED backlight
- 800 x 480 pixel resolution
- 64 K colors
- Resistive touch screen
- 2 RJ45 Ethernet ports with integrated switch
- 1 serial interface (RS232, RS485, RS422)
- 2 USB host ports
- 1 SD card slot

Type	TX507E-P3CV01
ID	6828103
Display/touch	
Display	TFT colour
Touchscreen	Resistive, Plastic film front
Active screen area	7"
Resolution (pixels)	800 × 480 pixels WVGA
Format	16:9
Brightness	300 cd/m² typ.
dimmmable	Yes
Controller	
Processor	ARM Cortex A8, 600 MHz
Memory	128 MB
Add-on memory	1x SD card slot, 2 USB host ports
Real time clock	Yes (battery-buffered)
PLC data	
Programming	CODESYS V3
Released for CODESYS version	V 3.5.8.10
Programming languages	IEC 61131-3 (IL, LD, FBD, SFC, ST)
Programming interface	Ethernet
Non-volatile memory	16 kByte

Interfaces	
Onboard	2 x RJ45 Ethernet, 1 x RS232/485/422, 2 x USB host, 1 x power supply, 2 x expansion slot
Onboard for selection	CANopen Master (via extension module)
Ethernet	2 x 10/100 Mbit
Protocols	PROFINET (Controller/Master) EtherNet/IP (Scanner/Adapter) Modbus TCP (Server/Client)
Fieldbus	Modbus RTU (Server/Client) CANopen (Server)
USB	2 x host ports
Serial	RS232 / RS485 / RS422
Expansion slot	2 x plug-in
Power supply	
Rated value	24 VDC, max. 0.7 A
Admissible voltage range	10...32 VDC
General data	
Operating ambient conditions	0...50 °C, 5...85 % rel. humidity, non-condensing
Storage ambient conditions	-20...70 °C, 5...85 % rel. humidity, non-condensing
Approvals	CE RoHS cULus
Ex approval	Haz. Loc. Class I, Division 2, Groups A, B, C and D
Protection class	IP66 front, IP20 rear NEMA type: 12/4X
Dimensions	
Front (W x H x D)	187 x 147 x 51 mm
Cut-out (W x H)	176 x 136 mm
Mounting depth	47 + 4 mm
Weight	approx. 1 kg

Connection and pin assignment

	Power Supply The power supply connector is delivered with each device. 7/8" male receptacle for enclosure (example): RSF 40-1M W/LN Ident. no. U-36648	Pin Assignment 
	USB Interfaces	Pin Assignment 
	Ethernet Ports The Ethernet ports are connected to each other via an internal switch. Ethernet cordsets (examples): RJ45-RJ45: RJ45S RJ45S 441-2M Ident. no. U-06842 RJ45-M12 D-code: RSSD RJ45S 441-2M Ident. no. U3-00525 RJ45-M8: PSGS 4M RJ45S 4413-2M Ident. no. U2-24205 RJ45-M12 D-code female receptacle: RJ45S FKSDDED 441-1M Ident. no. U-03569	Pin Assignment 
	Serial Interface The serial interface can be operated either as RS232, RS485 or RS422. The adjacent wiring diagrams show the respective pin assignments. PLEASE NOTE: In RS485 mode, pins 3 and 4 as well as 7 and 8 must be externally connected!	Pin assignment in RS232 operating mode  Pin assignment in RS485 operating mode  Pin assignment in RS422 operating mode 



Ports for Plug-in Modules



SD Card Slot
SD card

Accessories

Type code	Ident-No.		Dimension drawing
TX500-MOUNT-07	6828220	TX500 mounting bracket and power connectors for 4–7" devices	

Function accessories

Type code	Ident-No.		Dimension drawing
TX-PSC	100002938	Power Supply Male Connector for TX HMI Devices	