

TX100 HMI Series

7" display with TX VisuPro Runtime

High-Quality Plastic Housing with a Resistive Touch Screen

TX107-00VPST

Type	TX107-00VPST
ID	100002312

Display/touch	
Display	TFT colour
Touchscreen	Resistive, Plastic film front
Active screen area	7"
Resolution (pixels)	800 × 480 pixels WVGA
Format	16:9
Brightness	200 cd/m² typ.
dimmmable	Yes

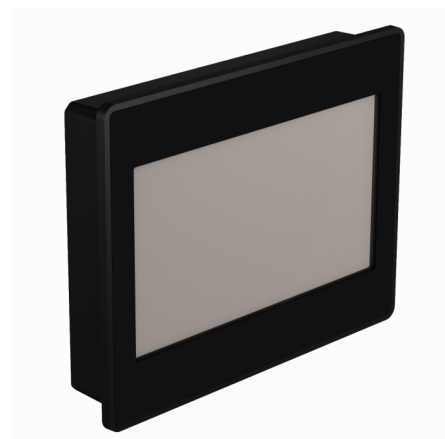
Controller	
Processor	ARM Cortex A8, 1 GHz
Memory	4 GB Flash
RAM memory	512 MB
Add-on memory	1 x USB host port

Interfaces	
Onboard	1 x RJ45 Ethernet, 1 x RS232/485/422, 1 x USB host, 1 x power supply
Ethernet	1 x 10/100 Mbit
USB	1 × host port
Serial	RS232 / RS485 / RS422

Power supply	
Rated value	24 VDC, max. 0.3 A
Admissible voltage range	10...32 VDC

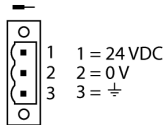
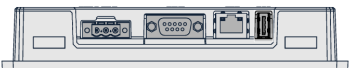
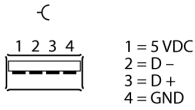
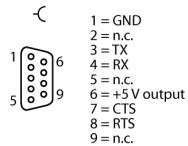
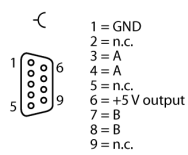
General data	
Operating ambient conditions	0...50 °C, 5...85 % rel. humidity, non-condensing
Storage ambient conditions	-20...70 °C, 5...85 % rel. humidity, non-condensing
Approvals	CE cULus
Ex approval	Haz. Loc. Class I, Division 2, Groups A, B, C and D
Protection class	IP66 front, IP20 rear NEMA type: 2/4X

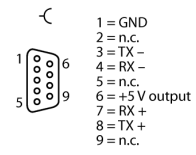
Dimensions	
Front (W x H x D)	187 x 147 x 34 mm
Cut-out (W x H)	176 x 136 mm
Mounting depth	29+5 mm
Weight	approx. 0.6 kg



- 7" TFT wide screen color display
- LED backlight
- 800 x 480 pixel resolution
- 64 K colors
- Resistive touch screen
- 1 RJ45 Ethernet port
- 1 serial interface (RS232, RS485, RS422)
- 1 USB host port

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 Ethernet ports ETH1 and ETH2 (10/100 Mbit) The Ethernet ports are independent, but can be bridged with ETH0. 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



Accessories

Type code	Ident-No.		Dimension drawing
TX100-MOUNT-07	100003186	TX100 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	