

TX707-P3CV01

TX700 HMI/PLC product series
7" Display — CODESYS V3 PLC with TARGET and WEB VISU
High-quality metal housing and glass front with capacitive touch



Type designation	TX707-P3CV01
Ident-No.	100002030

Technical data

Application area	
Application area	Factory Automation
Power supply	
Admissible voltage range	10...32
Rated value	24 VDC, max. 0.7 A
Controller	
Processor	ARM Cortex A9, Dual core 800 MHz
Memory	4 GB Flash

Features

- 7" widescreen TFT color display
- LED backlight
- 800 × 480 pixel resolution
- 16M colors
- Capacitive touchscreen with glass front
- Three RJ45 Ethernet ports for 10/100 Mbit
- One serial interface (RS232, RS485, RS422)
- Two USB host ports
- One SD card slot

Technical data

RAM memory	1024 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 3.5.12.10
Programming languages	IEC 61131-3 (IL, LD, FBD, SFC, ST)
Programming interface	Ethernet
Program memory	20000 kByte
Non-volatile memory	63 kByte
Interfaces	
Expansion slot	Two slots for up to four plug-in modules
Onboard	3 × RJ45 Ethernet, 1 × RS232/485/422, 2 × USB host, 1 × power supply, 2 × expansion slot
Onboard for selection	CANopen Master (via extension module)
Radio interface	Optionally expandable
Serial	RS232 / RS485 / RS422
USB	2 × host (v2.0, max. 500 mA)
Mechanical data	
Dimensions	147 mm x 187 mm x 47 mm
Front (W x H x D)	187 mm x 147 mm x 47 mm
Cut-out (W x H)	176 mm x 136 mm
Mounting depth	29+5 mm
Ambient conditions	
Operating ambient conditions	-20...60 °C, 5...85 % relative humidity, non-condensing
Storage ambient conditions	-30...70 °C, 5...85 % relative humidity, non-condensing
Protection class	IP66 front, IP20 rear, NEMA type: 12/4X
Tests/approvals	
Ex approval	ATEX, IEC Ex, Haz. Loc. Class I, Division 2, Groups A, B, C and D
Displays/controls	
Display	TFT colour
Touchscreen	Capacitive, Glass front
Active screen area	7 "
Resolution (pixels)	800 x 480 Pixel WVGA

Technical data

Format	16:9
Brightness	500 Cd/m² typ.
Dimmable	Yes, To 0 %
Comments	
Packaging unit	1

Mounting accessories

TX700-MOUNT-07	100003188
TX700 mounting brackets and power connectors for 5" to 7" devices	

Functional accessories

TX-IO-XX03	6828201	TX-IO-DX06	6828203
Plug-in I/O module — 20 DI, 12 DO, 4 AI (U/I/RTD/TC), 4 AO (U/I)		Plug-in I/O module — eight DI, six DO, one relay output (NO)	
TX-DP-S	100010167	TX-CAN	6828210
Plug-in PROFIBUS DP slave interface, 9-pin SUB-D female connector		Plug-in CANopen interface, 9-pin SUB-D male connector	
TX-RS485	100002598	TX-RS232	100002599
Plug-in interface for RS485/RS422, 9-pin SUB-D female connector		Plug-in interface for RS232, 9-pin SUB-D female connector	
TX-LTE-WLAN	100025179	TX-PSC	100002938
Plug-in LTE and Wi-Fi modem with LTE/UMTS/GSM, Wi-Fi and GNSS		Male power connector for TX HMI devices	

Connection accessories - network

RJ45S-RJ45S-4422-2M	6635218
----------------------------	----------------

