Your Global Automation Partner

TURCK

TX700
HMI/PLC

TX700 Programmable HMI/PLC

Reduce the cost and complexity of your automation systems' control with the TX700 HMI. With built-in PLC functionality, users get both visualization plus PLC logic in one device. Combining the ability to monitor and control machines into a single unit reduces costs by eliminating the need to have separate hardware and it requires less space in the control panel.

All-in-one Touchscreen

Get easy visualization of status and diagnostics in addition to intensive logical operations with the touch of a finger. Its high-quality capacitive touchscreen offers improved optics and more responsive touch for faster programming and control. Choose from five screen sizes: 5, 7, 10, 15, and 21 inches.

Powerful, Easy to Configure

The TX700 is among the most powerful HMI/PLCs on the market. The HMI's robust processor(s) and significantly increased device memory support more resource intensive applications on small to mid-sized machines. It also carries FM approval for Class 1 Div. 2 installations in hazardous areas.

Flexible Communication

The device supports a variety of fieldbus communication capabilities; including the ability to function as a scanner (master) for EtherNet/IP®, PROFINET®, and Modbus TCP, or as a server (slave) on Modbus TCP, and OPC-UA.

Advantages

- Reduces costs vs. using separate PLC & HMI hardware

- Increased device memory for more complex applications

- Easy visualization of status & diagnostics

- Supports a variety of fieldbus communication platforms

- Five screen sizes to choose from

- Free CODYSYS software

TX700

Product Specifications

- High-quality metal housing
- Glass front with capacitive Multi-Touch capabilities
- Use in complex systems and demanding, parallel tasks
- I/O optionally pluggable directly on board

Part Number	TX705-P3CV01	TX707-P3CV01	TX710-P3CV01	TX715-P3CV01	TX721-P3CV01
ID Number	100002029	100002030	100002031	100002032	100002033
Display	5" TFT 16:9	7" TFT 16:9	10.1" TFT 16:9	15.6" TFT 16:9	21.5" TFT 16:9
Resolution	800x480 WVGA	800x480 WVGA	1280x800 WXGA	1366x768 HD	1920x1080 full HD
Colors	64K	16M	16M	16M	16M
Brightness	300 Cd/m² typ.	500 Cd/m² typ.	500 Cd/m² typ.	400 Cd/m² typ.	300 Cd/m² typ.
Processor	A8 single-core	A9 dual-core	A9 dual-core	A9 quad-core	A9 quad-core
Flash	4 GB flash	4 GB flash	4 GB flash	8 GB flash	8 GB flash
RAM	512 MB RAM	1 GB RAM	1 GB RAM	2 GB RAM	2 GB RAM
Ethernet	2x	3 independent ports (1x 1000 Mbit, 2x 100 Mbit)	3x	3x	3x
USB/SD Card	1x/1x	2x USB Host/1x SD card	2x USB	2x USB	2x USB
Serial	1x RS232/485/422	1x RS232/485	1x RS232/485	1x RS232/485	1x RS232/485
Plug-In Slot	1 Slot	2 Slots	2 Slot	2 Slot	2 Slot