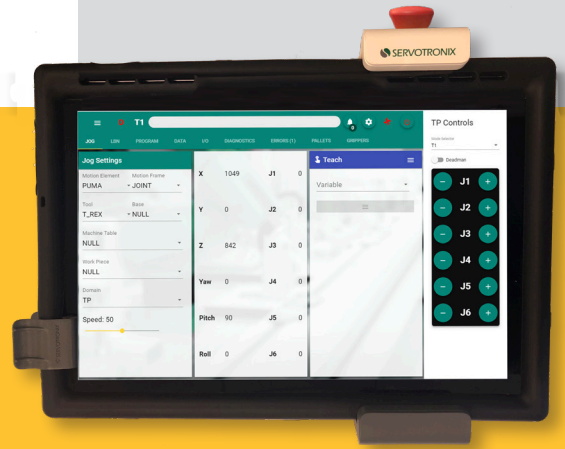


softTP Tablet

softTP-Tablet is a cost-effective and easy-to-use alternative to traditional teach pendants for robotics. It is designed for use with up to six axes and softMC motion controllers.



The softTP-Tablet embodies the latest developments in robotic teach pendant technology. It features a 10-inch touch screen with a TeachStudio browser-based interface, along with an ergonomic design and switches for easy handling.

Fully Compatible with all Robotic Systems Controlled by softMC

The softTP-Tablet with the TeachStudio software interface was developed for use with softMC motion controllers and multi-axis systems, including delta, SCARA and PUMA robots. It allows operators to teach positions, move robotic axes, perform lead-by-nose programming, create and run complete programs, identify the payload, and configure tool, gripper, payload, and inputs and outputs.

Ergonomic Design for Easy Handling

A 3-position deadman switch is located on the side of the handle and can be repositioned for right- and left-handed operators. An emergency push button is on the top of the handle.

TeachStudio Interface

TeachStudio software running in the softMC controller provides three different operation modes: manual teaching at reduced speed; monitored program verification at high speed; and a mode in which control is transferred to another controller.

The software screens make application development quick and easy. Screen functions include: jogging axes and teaching positions; selecting tool and base frames, tool calibration; editing, running and debugging programs and projects; creating and editing variables; monitoring and switching system I/Os; direct command entry in terminal view; and error monitoring and diagnostics.

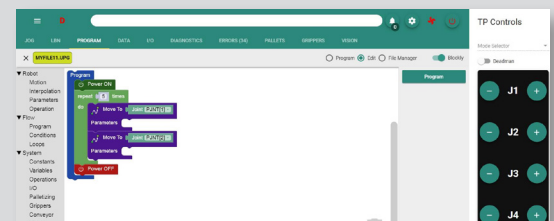
TeachStudio Versatility for Customer Needs

The TeachStudio software package can be used in three ways: running normally on the softTP-Tablet; running on a traditional teach pendant, as in the softTP 701 series; or running on a PC as a teach pendant emulator. The TeachStudio Emulator is a full-featured interface running on Windows or Linux systems and enables work with a real or simulated robotic system without an actual teach pendant.

The TeachStudio has four levels of user access with password protection, and supports multiple languages, with English and Chinese currently available.

Key benefits

- Cost-effective alternative to traditional teach pendants.
- Ergonomic design and switches for easy handling
- Implements state-of-the-art web technology with intuitive interface.
- Designed and developed for complete compatibility with softMC motion controllers



Paired with softMC Motion Controllers for the complete Motion Solution



softMC 3

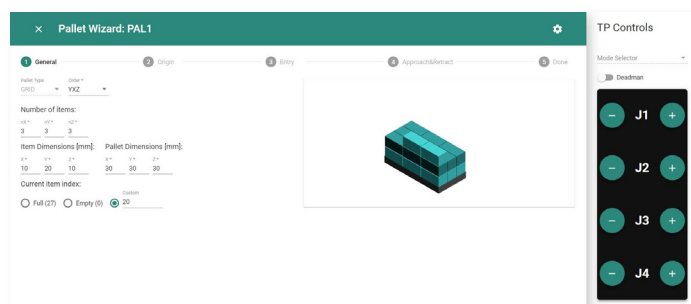


softMC 7

Technical Specification

Holder/Handle

Feature	Specification
Switches	Emergency push button. Deadman three position
Operation keys	Lexan overlay keypad with 12 raised buttons for blind operation
Protection	Enclosure protector. USB plastic protector
Operating temperature	0–45°C ambient
Weight	0.5 kg (without tablet)
Enclosure	IP20



Tablet

Feature	Specification
Operating system	Android™ 7.0
Display	10.1" touch screen WXGA (1280×800) resolution. LED backlight IPS panel 10 finger multi-touch support Anti-fingerprint coating Full lamination
Processor	MTK MT8163B quad-core, 1.3 GHz, 64 bit
Memory	2 GB
Interface	1 × Type C 1 × 2-in-1 audio jack (headphone/mic-in) 1 × Micro SD card reader, up to 128 GB (SDXC)
Weight	470 g
Operating temperature	0–35°C ambient
USB power	5.2V @ 1.0A
Dimensions	252×172×9 mm (L×W×H)

Ordering Information

Teach Pendant for OEM Customers	
softTP Teach Pendant with Tablet, cable 5m	TP-H-05-801-0000
softTP Teach Pendant without Tablet, cable 5m	TP-H-05-801-0001
softTP Teach Pendant with Tablet, cable 10m	TP-H-10-801-0000
softTP Teach Pendant without Tablet, cable 10m	TP-H-10-801-0001
Motion Controllers with Software for Teach Pendant	
softMC 3, CANopen, 4-Axis, with TeachStudio license	MC-C04-301-2100
softMC 3, CANopen, 6-Axis, with TeachStudio license	MC-C06-301-2100
softMC 3, EtherCAT, 4-Axis, with TeachStudio license	MC-E04-301-2100
softMC 3, EtherCAT, 6-Axis, with TeachStudio license	MC-E06-301-2100
softMC 7, EtherCAT and CAN, 8-Axis, with TeachStudio license	MC-E08-703-2100
softMC 7, EtherCAT and CAN, 16-Axis, with TeachStudio license	MC-E16-703-2100
softMC 7, EtherCAT and CAN, 32-Axis, with TeachStudio license	MC-E32-703-3100
Software for Existing softMC Motion Controllers	
TeachStudio license for softMC 3	FW-MC03-TPH701
TeachStudio license for softMC 7	FW-MC07-TPH701

For over 15 years, softMC software algorithms have been successfully implemented in a variety of industrial applications, including robotics, machine tools, medical systems, and general automation. Servotronix provides complete motion solutions, from the motor to the motion controller. Contact us and find out how we can help you optimize your machine.