

TP8 - Teach Pendant 8.4" Joystick

Ergonomic, shock resistant, highly customizable and with a bright screen with touch function, these are the main features of this OSAI Teach Pendant, a portable operator console for industrial applications.

The wide screen with resistive touchscreen and the Windows 7 Embedded operating system, allow the use of this device in conjunction with an OSAI OPENcontrol control unit, in many types of General Motion Control or Numerical Control applications, executing the standard OSAI HMI software (WinNBI) or user programs.

With the WinNBI graphical user interface, the console can be completely customized in a simple and intuitive way, through parametric graphical objects that do not need any software development. Furthermore, the WinNBI SW is an HMI that can be distributed in the network - it connects itself to the CNC through Ethernet network and TCP/IP protocol - allowing the machine management from different points.

WinNBI can then be installed on the OSAI CNC, on OSAI operator panels, on remote PCs and also on OSAI Portable Terminals like TP8.



The proportional joystick supplied offers an intuitive and direct method for the manual movement, simultaneous, of many machine axes. It allows controlling both direction and speed of the movement and, together with the software available on the OPENcontrol CNCs, it simplifies axes movement making immediate operations like the manual acquisition by points of profiles and surfaces.

The function of the 12 positions front selector can be completely customized. For example, it is possible to use the selector to set the Feed Override of manual speed, to select specific display pages, to select

programs or for any other function that can be implemented in the machine logic of the control unit.

Main equipment of the console

- Joystick for the simultaneous control of 3 axes, button integrated in ergonomic position.
- 12 positions selector switch, customizable
- Emergency push-button
- Ergonomic handle with a 3 positions enabling button and an additional customizable button
- USB port
- Communication between Ethernet TCP/IP towards the CNC

Technical Data

Communication	Ethernet with TCP/IP protocol
CPU	Intel Atom E3815 1.46 GHz
Storage	16GB SATA
RAM	2 GB
Operating System	Windows 7 Embedded
Display	LCD TFT 8.4"
Resolution	800 x 600
Touch Screen	Resistive
USB port	1 x 2.0
Power Supply	24V dc
Dimensions	270 x 250 x 130 mm
Protection degree	IP54
Operating temperature	0°C - 50°C
Control device 1	3 axes Joystick
Control device 2	Push-button on the joystick
Control device 3	12 positions selector
Control device 4	Push-button on the handle
Emergency push-button	Yes
Connection cable length	13.5 meters
Cable plug	Military connector
Safety	Three positions live-man push-button

