



NG Control Panel CP001



The **NG Control Panel CP001** expands OSAIcnc's range of operator interface solutions designed for **OPENAIRcontrol** CNC systems.

Connection to the CNC via the **EtherCAT fieldbus** simplifies wiring and enables the automatic management of predefined functions.

Designed for panel mounting, the module features stud fasteners.

Its mechanical design ensures seamless integration with OSAIcnc **NG Series touchscreen monitors**, particularly the 21.5-inch model, creating a complete and fully integrated operator panel.



NG Control Panel CP001 & 21.5" Monitor

OSAIcnc S.r.l.
Via Jervis, 11
10015 Ivrea (TO)
Italy

Contacts:
+39 0125 1906267
sales@osaicncsrl.com
www.osaicnc.com

osai
COMPUTER NUMERICAL CONTROL

NG Control Panel CP001

The available keypad buttons are automatically managed by an OSAlcnc numerical control. They provide different ready-to-use functionalities, in particular:

-  Direct access to **eight CNC operating modes**,
-  Machining **cycle start, hold and reset functions**.

Three **additional programmable buttons** can be easily assigned to custom machine functions.

Two **rotary selectors** are dedicated to machining feed-rate and spindle-speed override. They can also be configured for alternative functions, such as precise axis positioning in handwheel mode.

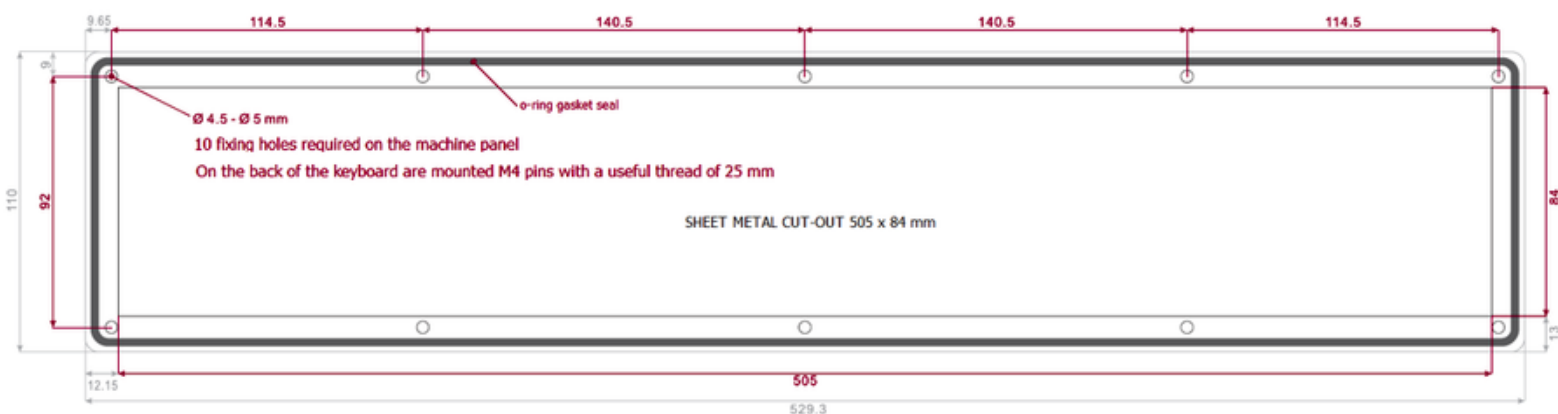
The panel is equipped with **nine standard Ø 22.5 mm mounting holes** for electromechanical devices.

This allows switches, push-buttons, key selectors and other actuators to be integrated into a compact and efficient operator control panel.

Available options include an **emergency stop push-button**, a **USB port** and **additional electromechanical** components upon request.

Mechanical Dimensions

Rear view with CUT-OUT





Product specifications

PUSHBUTTONS	
CYCLE START	Yes (customizable)
CYCLE STOP (HOLD)	Yes (customizable)
RESET	Yes (customizable)
OPERATING MODE SELECTION BUTTONS	MDI, Automatic, Block by block, Jog, Incremental Jog, Homing, Return on profile, Handwheel (customizable)
OEM BUTTONS	3
SELECTORS	
FEED CONTROL	Yes (customizable)
SPEED CONTROL	Yes (customizable)
OPTIONS	
PREDISPOSITION	9 holes diameter 22.5 mm for standard pushbuttons
EMERGENCY STOP	Double contact emergency push-button (optional)
USB	Pass through with protective cap (optional)
OTHER ELECTROMECHANIC ELEMENTS	ON REQUEST
CHARACTERISTICS	
CONNECTION	EtherCAT
POWER SUPPLY	24 VDC
MOUNTING	Panel mounting via rear studs
SIZE (L X H)	529,3 x 110 mm