

# CNC4AU

## TECHLF

3 Grand Rue

11400 Villeneuve La Comptal

France

SIRET : 453 137 283 00017 - APE : 742C

TVA : FR26 453 137 283

Tél : 04 68 23 22 01

E-mail: techlf@techlf.com

[www.techlf.com](http://www.techlf.com)



This new controller comes up with a 32 bits RISC CPU for faster speeds in linear and circular interpolation. New USB1.1 (12MBits/s) communication port with up to 256Ko/s. Very small size, only 160x150 mm. Compatible with **ISA4D** software.

### Technical facts:

#### ▶ **Interpolation :**

linear (4 axis ) and circular (2 axis)

#### ▶ **Speed :**

up to 50 000 steps/s ( 4 axis interpolation )

#### ▶ **Memory :**

local buffer up to 512 Ko ( 50 000 commands )  
compact flash (256 Mo or greater) with 8 programs  
PS2 keyboard is used to select programs  
in option programs are displayed on graphical LCD

#### ▶ **Communication :**

USB 1.1 (12Mb/s) with local buffer of 512 Ko  
Download speed up to 256Ko/s  
PS2 keyboard ( in option )  
Continuous command execution  
Real time override  
Real time spindle control  
Read back position in real time  
2 serial ports

#### ▶ **Inputs :**

32 (0-30VDC max)  
4 analog (-10V/+10V) 12 bits/1Msps analog to digital converter

#### ▶ **Outputs :**

16 open collector (100 mA max)  
8 TTL ( clock & dir )  
1 PWM (0-5V) for spindle control  
1 analog (0-10V) 12 bits/1Msps for spindle control

#### ▶ **Security :**

embedded security control  
stop motion and spindle when 1 input ( software programmable )  
is active and set output ( software programmable ).

#### ▶ **Power supply :**

USB powered

#### ▶ **The package include :**

1 CNC4AU controller  
1 USB cable  
Connectors  
Documentation

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