

# "All-in-1-DC" Single Board DC Servo CNC Controller

Includes Motion Control CPU, **On-board 3-axis DC servo motor drive** (expandable to 6 axis total), 16 IN 9 Relay OUT CNC PLC and Spindle Control  
Starting at **\$2249** with CENTROID Mill or Lathe software

## CNC PC choices:

Use your Windows 10 PC and your Touch Screen LCD



OR:



**Centroid Touchscreen All-in-One PC \$799 (#12786)**  
(Win10 preconfigured & CNC12 installed)

OR:



**Centroid NUC CNC PC \$799 (#14366)**  
(Win10 preconfigured & CNC12 installed)

& your Touch Screen LCD display



OR:

**Touch Screen CENTROID CNC Console**



Three console variations to choose from

- CNC console \$1595 (#13139)
  - CNC console w/ built-in NUC CNCPC \$3049 (#13181)
  - Panel Mount w/ CNCPC \$2645 (#13934)
- See console brochure for list of options and accessories @ [www.centroidcnc.com/downloads.htm](http://www.centroidcnc.com/downloads.htm)



Optional Operator's Control Panel  
**\$765 (#11077)**

\*must meet minimum performance requirements, you install software.

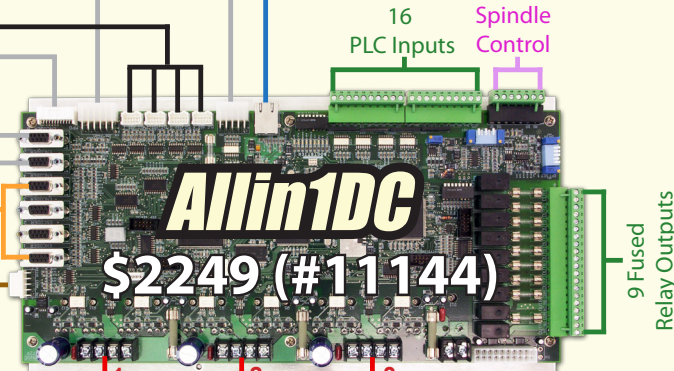


Optional **Wireless MPG Control Pendant \$239 (#8928)**  
Software Plug-in **\$139 (#14688)**



Optional **Wired Manual Pulse Generator (MPG) \$335 (#11069)**

Additional Encoders or Scales



**Allin1DC \$2249 (#11144)**



Optional **Touch Probe & Software DP-4 \$1790 (#10405)**  
**DP-7 \$4200 (#12431)**



Optional **Auto Tool Set**  
- **TT-2 \$1350 (#12486)**  
- **TT-1 \$725 (#10220)**

## Optional I/O Expansion Boards

Add up to 4 in any combination for up to **272 IN / 272 OUT**

Note: The Allin1DC includes enough preconfigured I/O for typical milling machine/lathe applications, optional expansion boards are available for complex retrofits requiring additional I/O above and beyond the included I/O.

**PLC Add 1616** 16 Inputs (5, 12, 24 VDC)  
16 Relay Outputs  
**\$445 (#11025)**

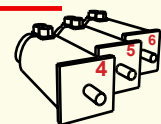
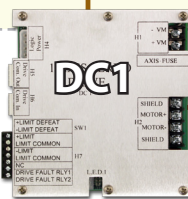
**Add4AD4DA**

4 Digital to Analog Outputs  
4 Analog to Digital Inputs  
**\$550 (#11141)**

**PLCAdd6464**  
**\$1300 (#11212)**

64 Inputs 5V non isolated  
64 Outputs Open Collector

Optional DC1 Single Axis DC Servo Drive  
**Add a 4th, 5th or 6th axis!**  
**For up to 6 axes total \$620 each (#11112)**



Encoder Cables

1 Servo Motor Cables 2 3

**Use your DC Servo Motors**  
Up to 40 in lb (4.52 Nm)

-OR-

**Add CENTROID DC Servo motors (encoders and cable installed, 180 VDC max)**  
**No transformer needed**

- 16 in-lb w/16ft cable: **\$1275** each (#10667)\*\*
- 29 in-lb w/16ft cable: **\$1279** each (#10816)\*\*
- 40 in-lb w/16ft cable: **\$1390** each (#10935)\*\*
- Motor Cable (custom lengths over 16ft (4.8m)): **+\$7/ft**
- 7 in-lb, 10 in-lb and 40 in-lb w/brake also available, call for \$

**Encoders for existing motor encoder upgrade or replacement use**

- 2000 line (8000 counts per rev.) differential quadrature encoders available sizes: fits over 6mm, 1/4", 3/8", 1/2" shaft: **\$240** each
- 10,000 line (40,000 counts per rev.) differential quadrature encoders: fits over 6mm shaft **\$285** each

- 110 / 220 / 440 VAC to DC Power Supply "Cap and Bridge combo" (No Transformer, use your own): **\$165 (#10766)**
- 110 VAC to 117 VDC Power Supply **\$505 (#10537)**
- 220 / 440 VAC to 117 VDC Power Supply **\$1140 (#10010)**

## Console, Display, & Cabinet opt. mounting hardware

- Conduit and Cable package\* for console w/ CNCPC **\$405 (#11028)**
- Conduit and Cable package\* for console w/o CNCPC\*\* **\$465 (#13150)**
- Custom Length Console Cable for Conduit over 6ft add **\$28.50/ft**
- Console mounting arm kit **\$463 (#13933)**
- Console to Arm mounting hardware (use w/ your arm) **\$139 (#13932)**
- Console Rolling Floor Stand **\$595 (#8445)**
- Related Hardware and Cable kits**
- M39 style Display/keyboard tray with arm **\$475 (#10240)**
- Operators Pendant mounting hardware **\$76 (#10491)**
- MPG internal cable 20' w/bulkhead con. **\$125 (#11086)**
- Probe internal cable 6' w/bulkhead con. **\$50 (#11085)**
- Operators control panel internal cable 20' **\$50 (#11029)**
- OEM/DIY console cable connector set **\$35 (#13138)**

\* Preassembled, standard length: 6 ft. of conduit combined with 16' of cable.  
\*\* 16' limit on USB cables when CNCPC is not mounted in console