CENTROID™

159 Gates Road, Howard, PA 16841 USA

(814) 353-9290

www.centroidcnc.com

"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
CNC software sold separately, Centroid "Pro" CNC12 license $549, "Ultimate" $995, see website for details.

CNC PC choices:

Use your Windows 10 PC and your Touch Screen LCD
*must meet minimum performance requirements, you install software.

OR:
All-in-One Touchscreen PC $1350 #15022
Windows 10 pre configured, & CNC12 "Free" installed.

OR: **Centroid NUC CNC PC $1050** #15023
Windows 10 pre configured, & CNC12 "Free" installed.
& your Touch Screen LCD display

OR: **Touch Screen CENTROID CNC Console**

Two console variations to choose from
- CNC console w/ built-in NUC CNCPC $3175 (#13181)
- Panel Mount w/ NUC CNCPC $2800 (#13934)
See console brochure for list of options and accessories @ www.centroidcnc.com/downloads.htm

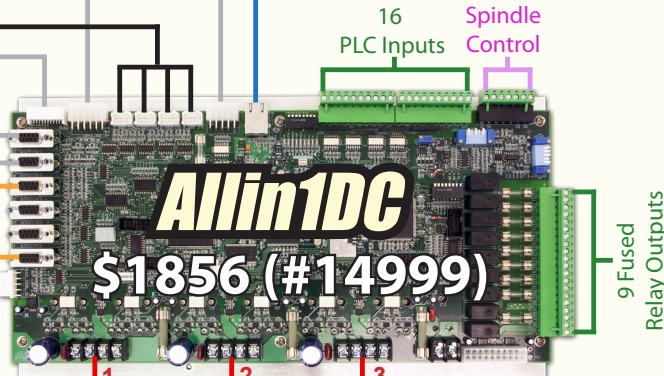Optional Operator's Control Panel **$765** (#11077)

Optional **Wireless** MPG Control Pendant **$299** (#8928) Requires v4.16+ and Pro License

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

Ethernet Cable to PC

Additional Encoders or Scales

16 PLC Inputs

Spindle Control

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

Touch Probe **KP-3 $699** (#14944)

Allin1DC
$1856 (#14999)

9 Fused Relay Outputs

Encoder Cables

1 2 3 Servo Motor Cables

Optional I/O Expansion Boards

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

Note: The Allin1DC includes enough pre configured 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
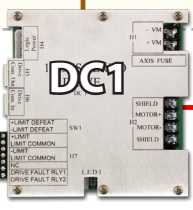16 Inputs (5, 12, 24 VDC)
16 Relay Outputs
$445 (#11025)

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)

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: **$1515** 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 **$560** (#10537)
220 / 440 VAC to 117 VDC Power Supply **$1225** (#10010)

Centroid CNC Control Software
CNC12 Mill(#15002) or Lathe(#15003) Pro License $549
CNC12 Mill(#15004) or Lathe(#15005) Ultimate License $995

Console, Display, & Cabinet opt. mounting hardware
6' Conduit and Cable package* for console **$405** (#11028)
Custom Length Console Cable for over 6ft add **$28.50/ft** (#14025)
Console mounting arm kit **$463** (#13933)
Console to Arm mounting hardware w/swivel mount **$245** (#14752)
Console to Arm mounting hardware (direct mount) **$120** (#13932)
Console Rolling Floor Stand **$595** (#8445)

Related Hardware and Cable kits
Operators Pendant mounting hardware **$86** (#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' **$55** (#11029)
OEM/DIY console cable connector set **$35** (#13138)

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

*** direct wired, * at time of purchase

Effective 10-6-20