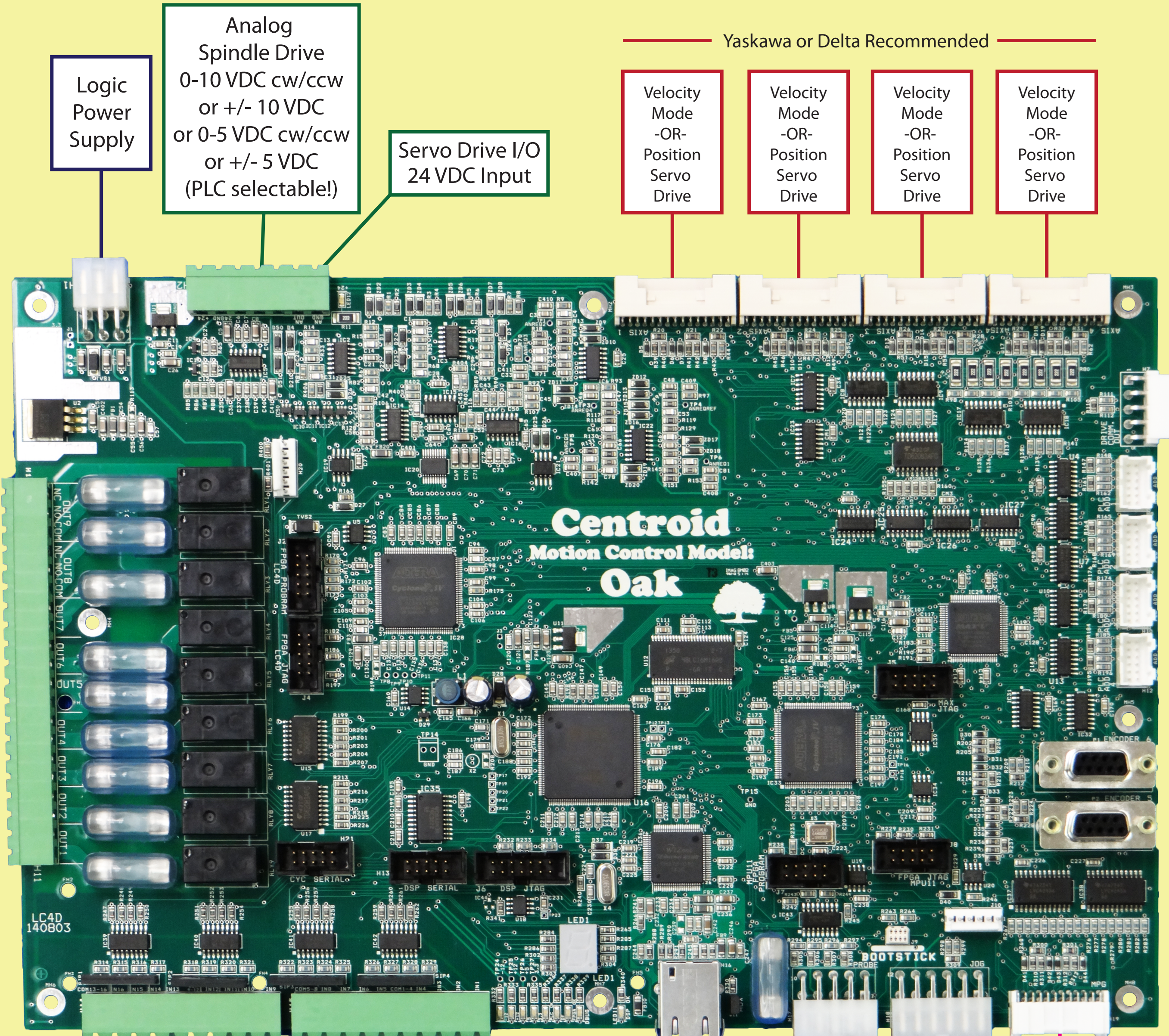




# CNC Control Board: OAK

## 4-axis CNC Control with on-board:

- Motion Control MPU
- 16/9 PLC w/ relay out
- Spindle Analog out
- Servo Drive Connectors
- Operator control panel connector
- CENTROID Drive Bus port
- PLC Expansion Ports
- Expandable to 8-axis



Logic Power Supply

Analog Spindle Drive  
0-10 VDC cw/ccw or +/- 10 VDC or 0-5 VDC cw/ccw or +/- 5 VDC (PLC selectable!)

Servo Drive I/O  
24 VDC Input

Velocity Mode -OR- Position Servo Drive

Velocity Mode -OR- Position Servo Drive

Velocity Mode -OR- Position Servo Drive

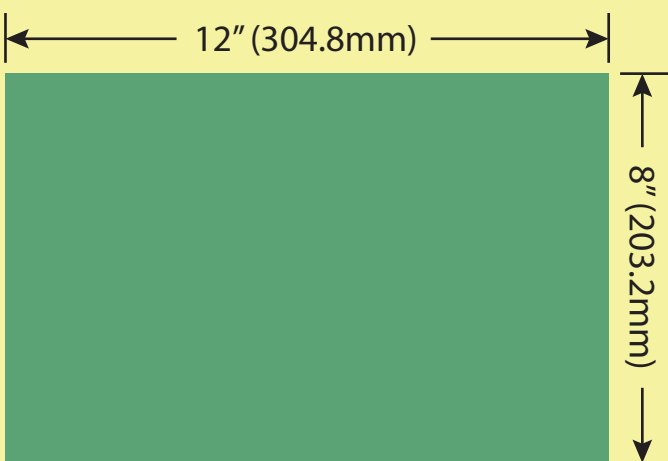
Velocity Mode -OR- Position Servo Drive

CENTROID Servo Drive Interface  
Connect up to Four:  
- CENTROID AC/DC Servo Drive  
- CENTROID DC1 Servo Drive  
- CENTROID Optic Direct  
- CENTROID Encoder Expansion board  
Daisy Chain connection between units

Devices Controlled by PLC  
9 PLC Relay Outputs  
7 SPST  
2 DPDT

CENTROID PLC Expansion Ports  
Add more I/O and Analog IN/OUT  
Up to Four in any combination  
- CENTROID PLCADD1616  
- CENTROID PLCADD4AD4DA  
- CENTROID PLCADD6464

Extra Encoder, Scale or MPG Inputs



PLC Input  
Switches and Sensors to PLC  
16 IN 5, 12, 24 volt configurable  
Sinking or Sourcing

PC Ethernet Connection

Digitizing Probe

Operators Control Panel

MPG Handwheel

Yaskawa or Delta Recommended