Communication:

- USB
- Ethernet
- Web Enabled
- RS-232

Software:

- DLL for USB/Ethernet/RS-232
- Web Enabled (Optional)
- Sample LabVIEW/VB/VC++ code
- Integrated Programming Environment

Programming Language:

- Multi-tasking
- Text Language
- Variables
- Flags
- Math Operation
- Bit Operation
- WHILE
- IF ELSE
- Subroutines
- Embeddable Comments

Programming Environment:

Windows
Integrated
Graphical
Programming
Environment

Windows XP/2000 Compatible

Joystick Control:

- 4 Axis Configurable Joystick Control
- Analog Input Speed Control
- Digital Encoder Input Speed Control
- Digital IO Input Speed Control
- Soft Limits
- Filtering for Smooth Motion

Motion Control / IO Features:

- 4 Axis Stepper Motion Control
- S-curve Acceleration
- Linear/Circular Interpolation
- Limits/Home/Alarm Inputs
- Encoder A/B/Z
- Digital Servo Interface
- 24 Configurable Digital IO
- Analog Inputs (Optional)
- Advanced 4 Axis Analog/Digital Joystick Control

Programming Environment:

Windows
Integrated
Graphical
Programming
Environment

Windows XP/2000 Compatible

Joystick Control:

- 4 Axis Configurable Joystick Control
- Analog Input Speed Control
- Digital Encoder Input Speed Control
- Digital IO Input Speed Control
- Soft Limits
- Filtering for Smooth Motion
Communication Driver:

DLL Windows Compatible driver for USB/Ethernet/RS-232 Communication

Sample Codes:

LabVIEW 6 Sample Vi

Visual Basic 6 Sample Program

Visual C++ Sample Program

Electrical Information:

**Required Supply Power**
- Voltage Requirement: +9 to +30 VDC
- Current Requirement: 1A @ 12VDC, 0.5A @ 24VDC
- Built-in Protection: 1.0 A Resettable Fuse
- Reverse Voltage Protection

**Pulse/Dir/Enable/Clear Outputs**
- Type: Open Collector (74LS07)
- Max Voltage: 30V max
- Sink Current: 40 mA

**+Lim, -Lim, Home, Alarm, In Pos, A/B/Z Inputs**
- Type: Schmitt Trigger Inputs (74LS14)
- Pull Up Resistor: Internal 10K pull up to 5V

(Integrated Junction Interface comes with differential encoder inputs and opto-isolated Limit/Home/Alarm/InPos Inputs)

**24 General Purpose Configurable DIO**
- Low Level Input Voltage: 0.8V Max
- High Level Input Voltage: 2.0V Min
- Low Level Output Voltage: 0.4V Max
- High Level Output Voltage: 2.4V Min
- Low Level Output Current: 8mA Max @ 0.4V
- High Level Output Current: -8mA Min @ 2.4V

Dimension:

Integrated Junction Interface:

Opto-isolated DIO Interface Board:

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4160 Technology Dr.
Fremont, CA 94538
Tel: 510-490-4303
Fax: 510-405-2073
www.arcus-technology.com