

## NEXUS Universal Micro-Servo Controller

Powered by TITAN®



TITAN-NXS-SCX



RS485



USB



2ndSight  
READY

### Power Input

- Motor Power : 24VDC to 48VDC
- Logic Power : 24VDC to 48VDC

### Communication

- USB 2.0 using Virtual COM Port
- RS485 with 115K Baud
- Protocols Supported: TITAN ASCII, TITAN ASCII with CRC, MODBUS ASCII, MODBUS RTU

### Digital and Analog IO

- 8 Opto-isolated NPN 24 Compliant Digital Inputs (Including + Limit, - Limit and Home Inputs)
- 3 Opto-isolated GND Sinking Digital Outputs
- 1 Analog Input 0-5V range

### Motor Supported

- 2 Phase Stepper Motors
- 3 Phase Rotary Brushless Motors
- 3 Phase Linear and Shaft Motors
- DC Brushed Motors
- Voice Coil Motors

### Compact / Powerful

NEXUS is small in size and yet packed with powerful functions and capabilities

### Universal / Easy

NEXUS is easily able to control commonly used motors in the industry

### Advanced / Intuitive

NEXUS has many advanced functions but It is very intuitive and super easy to use

### 2ndSight Ready

- The NEXUS SCX is equipped with the 2ndSight motion edge analytics algorithm to predict and detect future failures to increase the uptime and reliability of the motion system
- The NEXUS SCX comes with the dedicated 2ndSight communication port for uploading the motion analytics data to the factory server or to the cloud

### Connector

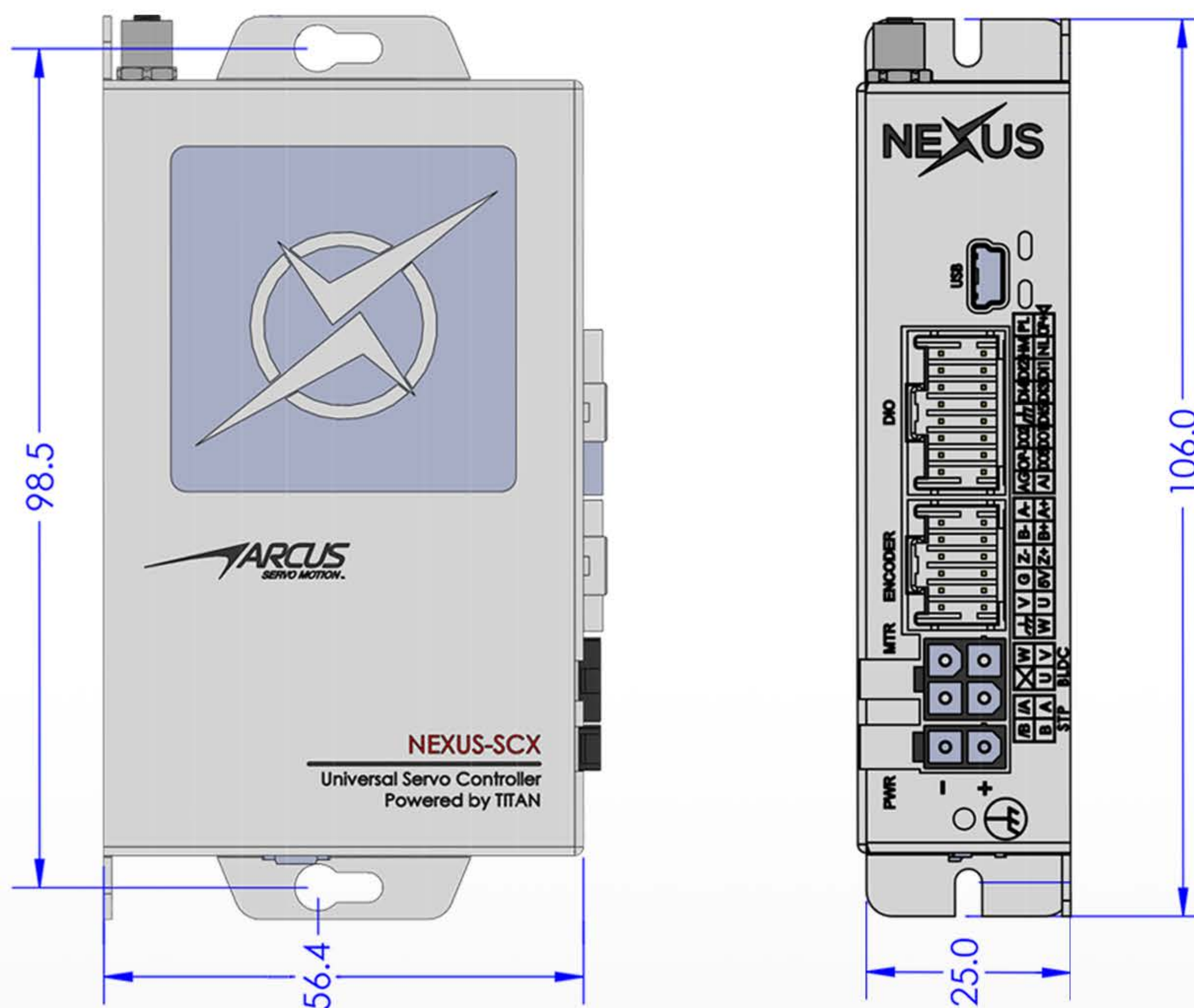
- USB Mini-B connector
- Dual RJ45 connector for RS485
- 12 pin MicroClasp connector for encoder/hall sensor
- 16 pin MicroClasp connector for motion IO
- 4 pin Mini-fit Jr connector for motor
- 2 pin Mini-fit Jr connector for motor power
- 2 pin Micro Clasp connector for logic power

### Configurable Control Modes

- Standalone Control Mode with multi-threaded A-Script programs
- Networked Multi-axis Control Mode using RS485 Communication



## TITAN-NXS-SCX



\* Dimensions in Millimeters

