UNIVERSAL SERVO MOTOR CONTROLLER WITH MACHINE LEARNING AND ANALYTICS

TITAN-SVX-ETH
Universal Servo Motion Controller

ETHERNET
RS485
USB

New Era
In Servo Intelligence

Edge Analytics
In Motion

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TITAN-SVX is a Universal Servo Motor Controller with 2ndSight Technology to meet the challenges for the emerging Smart Factory and Industry 4.0 market.

TITAN-SVX supports Ethernet, USB, and RS485 communications and standalone multi-thread programming.

TITAN-SVX software is easy, intuitive, and has many advanced servo control functions to meet many challenging motion requirements.

**Specifications**

**Power Input**
- 24-48 VDC
- 8A Max Current

**Digital and Analog IO**
- 8 Opto-isolated Digital Inputs
  - Controller Mode: Limit+, Limit-, 5 General Inputs
  - Pulse Mode: Pulse, Dir, Enable, Clear, Reset, 3 General Inputs
- 3 Opto-isolated Digital Outputs
  - Controller Mode: 3 General Outputs
  - Pulse Mode: In-pos, Alarm, 1 General Output
- 1 Analog Input 0-5V range

**Electrical and Thermal Specifications**
- Digital Input Forward Diode Max Current: 25mA
- Digital Output Collector Max Voltage: +24V
- Digital Output Sink Max Current: -45mA
- Operating Temperature: -20 to 80°C
- Storage Temperature: -55 to 150°C

**Communication**
- USB 2.0 using Virtual Serial COM Port
- RS485 with 115K Baud
- Ethernet 100M
- Protocols Supported: Arcus ASCII, MODBUS RTU, MODBUS ASCII

**Connector**
- Single RJ45 Ethernet connector
- RS485 Dual RJ45 connector
- Ethernet Dual RJ45 with Internal Switch
- USB Mini-B connector
- 3 pin RS485 connector
- 2 x 15 pin HD DSUB for motion DIO and encoder
- 4 pin Mini-fit Jr for motor
- 2 pin Mini-fit Jr for power