

TITAN

Setting the New Foundation for Servo 5.0



TITAN-SVX-ETH
Universal Servo Motion Controller

UNIVERSAL SERVO MOTOR CONTROLLER WITH MACHINE LEARNING AND ANALYTICS

5^{servo}.0

New Era
In Servo Intelligence

2ND
Sight

Edge Analytics
In Motion



ETHERNET



RS485



USB



● ETH



● ET2



● SR2

TITAN-SVX Standalone Series

Universal Servo Controller
with 2ndSight Edge Analytics

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 ●●●