

# Master SPI Box

3-channel Driver for NV 200/D Net

## Three-Channel Control

Enables connection of up to three single-axis or multi-axis actuators.

## High-Speed Synchronous Communication

Real-time duplex data flow with low latency for precise multi-axis control.

## Flexible Data Handling

Supports both synchronous data and independent waveform inputs per channel.

## Optimized for NV200 Series

Custom drivers ensure efficient performance and reduced error rates.



Type	Unit	Parameter
Power supply	V	5 -3.3 (DC)
Frequency	kHz	20 (up-to the Amplifier)
Input Interfaces	-	DP, USB-C(Ethernet, RS232)
Resolution	bit	16
Memory Size	MB	2
Core Processor	-	ARM® Cortex®-M7
DMA Channels	-	Yes
Feature	-	Real-time Synchronous/Synchronous
Operating Temperature	°C	(-40) to (+85)
Error	%	(0.05-0.15) at Real-time
Applicability	-	Individual / Multi-Axis Actuators

## Advantages

### Plug-and-Play Controller

Saves development time by providing a ready-to-use interface.

### Efficient Data Storage

Retains sent/received data for diagnostics and traceability.

### Upgradable Firmware

Adaptable for future command or protocol updates.

## Ideal For

Single or multi-axis actuator systems requiring precision, flexibility, and fast setup.