



# Servotorq<sup>TM</sup>

## Drive Development Kit & Integration Tools

### Data Sheet

Overview's integration tools allow engineers to rapidly and efficiently evaluate, develop and incorporate our Integrated Servo Drives into any design.

# SERVOTORQ INTEGRATION TOOLS

## Drive Development Kit

Overview's Drive Development Kit allows engineers to rapidly and efficiently evaluate, develop and incorporate our Integrated Servo Drives into any design.

The Drive Development Kit:



Provides a simple to use tool to configure, tune and control your Servotorq Integrated Servo Drive



Provides the ability to rapidly evaluate Integrated Servo Drives and get the most out of your drive



Accelerates your development cycle, reducing costs and time to market



Whether you are enhancing your product line, engineering customer specific solutions or developing test equipment, the Drive Development Kit ensures you are up and running fast.

### Designed for all levels and disciplines

Designed for mechanical and software engineers of all levels, the Drive Development Kit supports your project from initial concept to a fully functional solution. Whether you are a solo engineer or part of a large team, the kit provides the essential tools to streamline your development process.

### Developed by engineers for engineers

Our in-house engineering team created the Drive Development Kit, for their own daily use, to bring our innovative products to market in record time.

By providing you with our tools, you can leverage our internal solution to accelerate your product innovation and shorten time to market.

### What's in the Drive Development Kit

- A USB Commander PC interface in an enclosed protective casing
- A selection of cables suitable for connecting to Overview's range of Integrated Servo Drives
- A software license for Servotorq Accelerator



WHERE TO BUY





# USB Commander

The USB Commander is a valuable tool for test equipment, engineering rigs, Pan & Tilt product lines and positioning systems. Teams can start working with drives in minutes with the USB Commander.

This highly useful integration tool connects to your PC via a USB connector and offers immediate control of the Integrated Servo Drive allowing teams to be up and running in minutes.

## Supported ancillary functions:

- CAN passthrough
- RS485
- PAN/TILT selection Jumper
- UART selection jumper
- Forced Power On Jumper



## Specification

The USB Commander connects to the host via a USB Interface

USB Commander Interfaces

	I <sup>2</sup> C (3v3)	I <sup>2</sup> C (12V)	UART	CAN
Helios (J1)		x	x	x
Artemis (J2)		x	x	
Atlas (J2)		x		
Miranda (J7)	x			
Leto (J8)	x			
Titan (J8)	x			

Nominal Input Voltages

Drive	Input Voltage (Nominal DC)
Titan	12V
Leto	24V
Miranda	24V
Atlas	48V
Artemis	48V
Helios	48V

# Servotorq Accelerator

Servotorq Accelerator is an intuitive software solution developed by Overview for Windows operating systems. A license for the software is included with the Drive Development Kit and the USB Commander.

Servotorq Accelerator significantly decreases product development time by shortcutting and optimising the tuning and configuration process, allowing engineers to focus on product capabilities.



## Servotorq Accelerator

## The software allows users to control key functions such as:

- Power on
- Velocity control
- Position control
- Stabilisation
- View and analyse control parameters and response graphs for precise tuning





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