

- Communication and power cable
- PCI card/ USB cable
- PC software
- User manual
- Measurement data access
- Full device configuration capability
- Data log to file for up to two devices at the same time



PCI card



USB cable

The STIM series evaluation tools offer easy measurement and configuration access for STIM gyro modules and IMUs. The tools support data sampling at alternative rates, graphical data presentation and data log to file for up to two gyro modules/ IMUs in parallel. RS422 interface for PCI or USB, necessary cabling and PC software are included in the kits.

STIM EVK PCI

The *STIM EVK PCI* kit is the preferred solution for thorough device characterizing. The PCI kit contains a PCI card and a communication and power cable, and supports all device transmission bit rates.¹⁾

STIM EVK USB

The *STIM EVK USB* kit with USB connectivity provides an easy setup for a laptop or PC with access to measurement

and device configuration. The kit includes a USB to RS422 cable and a communication and power cable. The USB kit supports a single RS422 transmission bit rate of 460800 baud, resulting in certain data output limitations.

Readable parameters

- Part number
- Serial number
- Firmware revision
- Hardware revision

Configurable parameters

- Datagram type/ content
- Sample rate
- Filter bandwidth
- Gyro output unit
- Accelerometer and inclinometer output units (for IMUs only)
- RS422 transmission bit rate
- Line and datagram termination

Diagnostics information

Detailed diagnostics information can be accessed, including RAM and flash checks, stack handling checks, status of internal voltage supply references and various parameter reports for each measurement axis.

Additional information

- Time of Validity (TOV), external trigger and AUX input functionality are not demonstrated by the evaluation kits
- The communication and power cable for STIM210 and IMUs has electrical break out pins for External trigger, Time of Validity (TOV) and AUX access²⁾
- Additional communication and power cables, PCI cards and USB cables are available
- Kits do not include the gyro module or IMU
- Windows XP, Vista, and 7 (32/64 bit) supported

1) The highest transmission bit rate, 1843200 bits/s, is available for STIM210 and IMUs only

2) AUX access is available for the IMUs

SOFTWARE PRINT SCREENS (EXAMPLES ARE SHOWN FOR STIM210 EVK)

