

EVALUATION TOOLS

- PCIe card with communication and power cable
- USB adapter with communication and power 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



PCIe 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 PCIe 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 PCIe card and a communication & power cable, and supports all device transmission bit rates.

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 adapter and a communication & power cable.

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

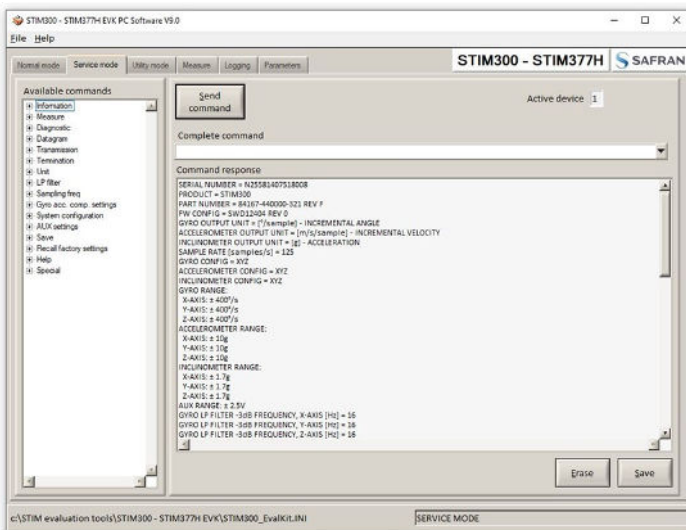
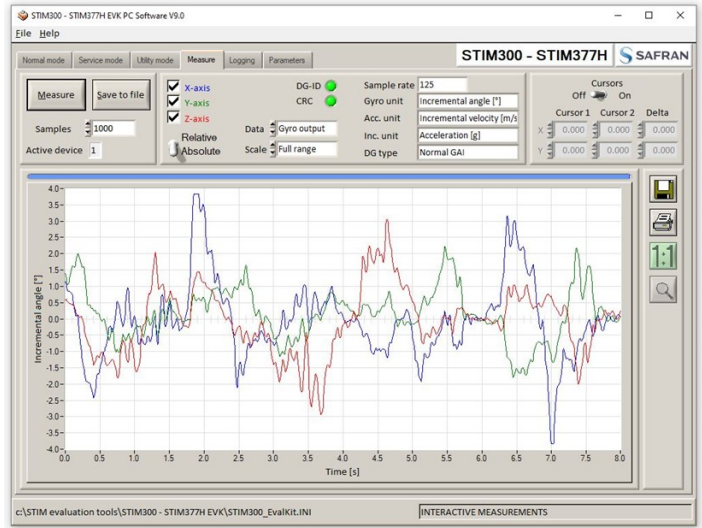
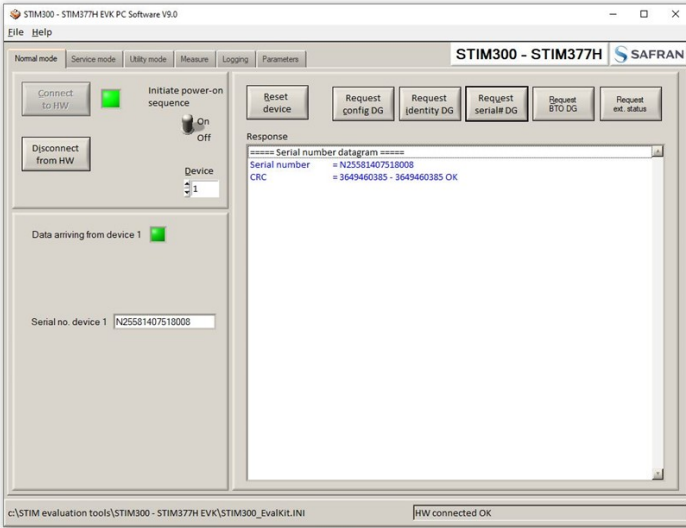
Detailed diagnostics information can be accessed, including RAM and flash checks, stack handling checks, status of internal voltage supply references and various parameter reports for each measurement axis.

Additional information

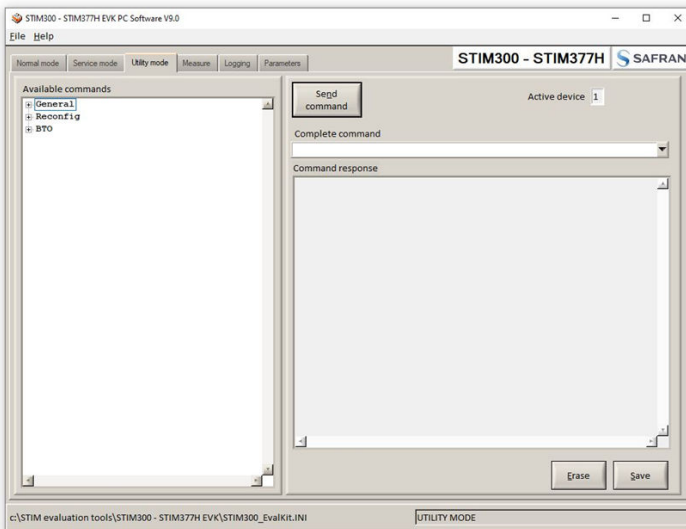
- The communication and power cable for STIM210 and IMUs has electrical break out pins for External trigger
- Additional communication and power cables, PCIe cards and USB cables are available
- Kits do not include the gyro module or IMU
- Windows 10, XP, Vista and 7 (32/64 bit) supported
- Time of Validity (TOV), external trigger and AUX input functionality are not supported by the evaluation software

STIM GYRO MODULE AND IMU EVALUATION KITS

SOFTWARE PRINT SCREENS (EXAMPLES ARE SHOWN FOR STIM300-STIM377H EVK)



Serial no.	Samples acquired	CRC errors	Resynch's
<input checked="" type="checkbox"/> 1 N25581407518008	1000	0	0
<input type="checkbox"/> 2	0	0	0
<input type="checkbox"/> 3	0	0	0
<input type="checkbox"/> 4	0	0	0



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Test
Folder for result-file storage : *****
What priority will this program run with? : Above normal
What format to use for resultfiles? : ASCII test
Name of file with language definitions : STIM300_EvalKit_English.lwl
==== Device communication ====
IMPORTANT MESSAGE: Always verify hardware
connections and COM port settings before
trying to connect to the device
RS422 port # to device 1 : 5
RS422 port # to device 2 : 0
RS422 port # to device 3 : 0
RS422 port # to device 4 : 0
RS422 Btrate [bits/s] : 921600
RS422 stopbit : 1
RS422 parity : None
==== External hardware ====
The GPS-card # to use : 0
Type of power-supply used : None
Interface that the power is connected with : None
Port or address to power : 0
Voltage on output of power [V] : 5.1
Current limit on output of power [A] : 1.0
    
```