

EvaluationTool

STIM202 Evaluation Kit

Table of contents:

1	FE	ATURES	2
2	GE	ENERAL DESCRIPTIONS AND SYSTEM CONTENTS	2
3	SY	STEM REQUIREMENTS	2
4	GE	ETTING STARTED	3
-			
	4.1	INSTALLATION OF NI-SERIAL CABLE ASSEMBLY DRIVER	3 1
	4.Z	INSTALLATION OF STIMZUZ EVALUATION PC SOFTWARE	4 1
	4.5		44 ح
	т.т		
5	IN	TRODUCTION TO DIFFERENT PARTS AND FEATURES OF PC SOFTWARE	7
5	IN1 5.1	TRODUCTION TO DIFFERENT PARTS AND FEATURES OF PC SOFTWARE	<b>7</b> 7
5	IN 5.1 5.2	PANELS OVERVIEW   NORMAL MODE PANEL DESCRIPTION.	. <b>7</b> 7 8
5	5.1 5.2 5.3	PANELS OVERVIEW NORMAL MODE PANEL DESCRIPTION   Service Mode Panel Description Service Mode Panel Description	<b>7</b> 7 8 9
5	5.1 5.2 5.3 5.4	PANELS OVERVIEW PANELS OVERVIEW   NORMAL MODE PANEL DESCRIPTION SERVICE MODE PANEL DESCRIPTION   MEASURE PANEL DESCRIPTION MEASURE PANEL DESCRIPTION	<b>7</b> 7 8 9 10
5	5.1 5.2 5.3 5.4 5.5	<b>TRODUCTION TO DIFFERENT PARTS AND FEATURES OF PC SOFTWARE</b> PANELS OVERVIEW   NORMAL MODE PANEL DESCRIPTION.   Service Mode panel description   MEASURE PANEL DESCRIPTION.   DEMONSTRATOR PANEL DESCRIPTION.	<b>7</b> 7 8 9 10 10
5	5.1 5.2 5.3 5.4 5.5 5.6	<b>TRODUCTION TO DIFFERENT PARTS AND FEATURES OF PC SOFTWARE</b> PANELS OVERVIEW   NORMAL MODE PANEL DESCRIPTION.   Service Mode panel description   MEASURE PANEL DESCRIPTION.   DEMONSTRATOR PANEL DESCRIPTION.   PARAMETERS PANEL DESCRIPTION	<b>7</b> 7 9 10 10 11
5	5.1 5.2 5.3 5.4 5.5 5.6 SU	TRODUCTION TO DIFFERENT PARTS AND FEATURES OF PC SOFTWARE   PANELS OVERVIEW   NORMAL MODE PANEL DESCRIPTION.   Service Mode panel description   MEASURE PANEL DESCRIPTION.   DEMONSTRATOR PANEL DESCRIPTION.   PARAMETERS PANEL DESCRIPTION   JMMARY TABLE FOR AVAILABLE STIM202 EVALUATION TOOLS	<b>7</b> 7 9 10 10 11 <b>11</b>



EvaluationTool

### STIM202 Evaluation Kit

#### 1 Features

- Up to 1000Hz sampling rate
- Data presentations and log to file capability
- Full device configuration capability (Service Mode access)
- Demonstrator view (showing angular rate and integrated angle)

#### 2 General descriptions and system contents

The STIM202 evaluation kit provides rapid measurement and configuration access to the STIM202 multi-axis gyro module from Sensonor Technologies. Full device configuration, graphical result presentation, demonstration and save data to file are supported for 1, 2- or 3-axis units. The required single supply voltage (5VDC) for the module is provided from a PC or laptop USB port.

System contents:

- Quick start manual (aprinted version of this document)
- STIM202 evaluation kit PC software for Windows operating systems
- NI USB interface cable for RS485/RS422 (for quick evaluation/device configuration, supporting RS422 bit rates up to 460800 baud)
- STIM202 communication cable
- Included CD-ROM (or memory stick) with kit installation files and documentation

#### NOTE 1: STIM202 modules are ordered separately to the kit

NOTE 2: PCI cards are available as add-ons to the kit, fully compatible with the STIM202 communication cable, supporting bit rates up to 3 Mbaud

EXPRESS card are available as add-ons to the kit, fully compatible with the STIM202 communication cable, supporting bit rates up to 460800 baud



#### Figure 1: STIM202 evaluation kit setup schematics

#### 3 System requirements

Minimum 2 free USB ports required; One for STIM202 communication and one for STIM202 power supply.

The STIM202 evaluation kit is verified on the following operating systems:

- Windows Xp
- Windows Vista
- Windows 7



EvaluationTool

STIM202 Evaluation Kit

#### 4 **Getting started**

#### Installation of NI-Serial cable assembly driver 4.1

Without connecting anything yet, install the NI-serial driver. Refer to 'Serial Installation Guide' and included driver CD-ROM for instructions. During installation the following windows appear (exact figures listed refers to Vista installation):



(1 of 12)



(5 of 12)

Stat Installation Beview the following summary before continue	
Upgrading Delayed information prime community	
Milling of Changing Decomposition Decomposition Sector States Sector States Sector States Sector States No. Sector N. Sector N. Sector	
	and the state of the section

Figure 10: NI-Serial installation (9 of 12)

ratel n.e
Bosse
Next >> Cencel



Figure 7: NI-Serial installation (6 of 12)



(10 of 12)



as default 13

License Agreement You tout accept the icense(s) display	ed below to proceed.	MIN	TRUMEN
LICENS	E AGREEMENT		
BEFORE YOU CLECK ON THE ACC DOCUMENT, CAREFULLY READ THIS ADREEMENT. BY CLECKING ADDREEMENT. BY CLECKING ADDREEMENT. HY YOU DO NOT AG ARREEMENT. HY YOU DO NOT AG ARREEMENT. CLECK THE YOD NO DOWNLOAD AND/OR USE THIS IN Readers of this decoment are requested in C ("Licensor"), with their comments, n and/ectual property rights of which they of this indecleanal property, robvare	EPT BUTTON AT T LL THE TERMS AN ON THE ACCEPT F ND ARE BECOMIN REE TO ALL OF T ACCEPT' BUTTOU TELLECTUAL PRO to submit to Interchan offication of any relevance may be aware which or a specification (the	HE END OF TH TO CONDITION BUTTON, YOU GA PARTY TH HE TERMS OF ' N AND DO NO PERTY. grable Virtual In such the infinge 'Intelectual Prog	IIS VS OF ARE O THIS THIS T struments, or other d by any perty"), as
	(i) I accent the	Linence Areasward	
	🗇 I do not aco	eși île License Agre	steri.
	Control Back	Heat >>	Cencel

(7 of 12)



Figure 12: NI-Serial installation (11 of 12)

erial 3.5.1		HO HE
Product Notifications The installer will now check for new motifical products you are installing	dame for the	<b>WINSTRUM</b>
Contacting notification serves		
	•	
	-	

I NI-Serial 3.5.1

Always faut collowers from National Instrument		)	INSTRUM
This installer includes driver software signed by N for an unintempted installation. If you uncheck the even Microsoft Windows security dialogs.	ietonal Instrumenta e box, your install	Leave the br tion may be in	os below checked tempted by one o
Z Always hust software han National Instrument	: Corporation		
	C. Collector	1 100	

Φ	You must reatert yo	our computer to complete this	a operation.
	If you need to inst choose to restart is software.	slihardware now, shut down sler, restart your computer be	the computer. If you fore running any of this
	Restart	Stat Down	Restart Later

stallation. Installation complete (12 of 12)



EvaluationTool

### STIM202 Evaluation Kit

### 4.2 Installation of STIM202 evaluation PC software

- Locate the software zip file on the included CD-ROM, unzip it to a local drive, and run the installation file (setup.exe.) (Notice also that the latest available PC software is found at the Sensonor web site)
- Follow the on-screen instructions to complete the installation

During installation the following windows will appear (refered to Vista installation):



### 4.3 First hardware connection

Notice: NI-Serial driver and PC software should already be installed at this point

Connect system hardware as follows:

- Connect a STIM202 module to the Nicomatic connector of the STIM202 communication cable. A small screw/torx driver is needed for tightening the fixing screws of the Nicomatic connector to the male connector of STIM202
- Connect the 9 pin D-SUB connector of the STIM202 communication cable to the NI interface cable Alternatively, if any of the add-on solutions are used (the PCI card or the Express card) instead of the default USB interface cable included in the kit; skip this point
- Insert the USB connector of the NI interface cable into a free USB port of the stationary PC/ laptop Alternatively, if any of the add-on solutions are used (as mentioned above); connect the STIM202 communication cable to the PCI card or Express card hardware
- Verify that the device driver installation is completed successfully. The NI-Serial device should become visible in device manager (an example for STIM202 evaluation kit USB interface device recognition is shown in Figure 20). <u>NOTICE</u>: At this point; Remember or write down the COM-port number as this is needed for editing the software parameter file later



# EvaluationTool

### STIM202 Evaluation Kit



Figure 20: Verification that NI USB-485 device is visible in device manger after first hardware connection (example from Vista)

 NOTE: Leave the second USB connector of STIM202 communication cable (the one for powering STIM202) unconnected at this point

#### 4.4 First PC software start-up

Notice: All hardware should now already be connected

Proceed to first time start-up of PC software:

- Navigate to the 'STIM Evaluation' folder in the Windows start menu. The shortcut to start the STIM202 Evaluation Kit PC software should be found within this folder
- Directly after start-up of program a pop-up box will appear and ask for a parameter file (an .INI-file). Select the INI-file available in the installation folder (C:\Program Files\STIM Evaluation by default). The file name is 'STIM202 evaluation kit.INI' or similar
- The software GUI (graphical user interface) and Normal Mode panel loads and shows (by default) next, after the INI-file was selected
- In the parameters file (INI-file), accessible from software, ensure the correct COM port number for the active device is defined. Notice also the Device-to-COM port correlation listed in the parameters view. The parameters view (INI-file editing) can be done directly by clicking on the 'Parameters' tab in software. The password to enable edit of parameters is 'stim'.
- Notice also that the device selection of the Normal Mode panel (go back to normal mode panel if needed to check) must correspond to the correct Device and COM port of the parameters view (INI-file) in order to successfully establish the STIM202 connection (next step).
- (Notice: The parameters view (INI-file) only accept already assigned port numbers listed (OR alternatively 0's for devices not in use), or else the connection later will fail (next step))
- After completing the correct COM port configuration in the parameters view, press 'OK' button in upper right corner to confirm parameters setting and return back to the Normal Mode by clicking directly on the Normal Mode tab
- Establish now first hardware connection to STIM202 by clicking the 'Connect to HW' button. Verify that a green light appears, and that the message 'Hardware connected OK' is shown in the lower right corner of the panel. See Figure 21 for an example of how the Normal Mode panel looks like directly after a first successful hardware connection



# EvaluationTool

STIM202 Evaluation Kit

Ele Edit Help   Normal mode Service mode Measure Demo Parameters Sensor   Connect On On On Benuett	STIM202 Evaluation Kit		
Normal mode Service mode Measure Demo Parameters   Connect Image: Connect Config DC Apply voltage Image: Config DC Request Config DC Request Senial#DC Ffter serv.   Disconnect Image: Config DC Image: Config DC Request Config DC Request Senial#DC Image: Config DC Image: C	<u>File E</u> dit <u>H</u> elp		
Connet On   Deconnet On   Device 1	Normal mode Service mode Measure D	emo Parameters	sensonor
	Connect Connect I off Disconnect from HW Device 1 1	Reset Request	Enter serv.

Figure 21: 'Normal Mode' panel. PC software confirming hardware connection is OK

 Change the 'Apply voltage' control switch position to 'ON' and read the pop-up message telling to turn on power. Turn now, as instructed, the power (5V) on to STIM202. This is done by inserting the free USB connector into a free USB port. Confirm also the supply voltage applied by clicking 'OK' button on the following pop-up panel. (Notice that this manual process controls some operations of the program)

Turn power (5.	0V) to STIM20	2 ON
1	OK	

Figure 22: Pop-up panel showing it's time to turn on STIM202 power

- (The kit is now ready for use)
- Now, verify connection and module communication by e.g. pressing the 'Request config DG' button. An example of such result is shown below (in blue text in Figure 23)



# EvaluationTool

STIM202 Evaluation Kit

🐳 STIM202 Evaluation Kit	
<u>File</u> <u>E</u> dit <u>H</u> elp	
Normal mode Service mode Measure De	mo Parameters Sensonor
Connect to HW On Off	Reset device   Request config DG   Request identity DG   Request senal# DG   Enter serv. mode
Disconnect from HW Device	Temese Configuration datagram (\$) =====   Part no ev = E   FW revision = 6   HW revision = 5   Xaxis = +Active   Xaxis = +Active   Yaxis = = 4ctive   Yaxis = = 4ctive   Zaxis = +Active   Zaxis = +Active   Zaxis = +Active   Zaxis = F   Zaxis = F   Datagram fm = 3d1 normal   R5422 brickter = 460000   R5422 brickter = 6000   CRC = 121-121 OK
c:\Program Files\STIM Evaluation\STIM202 evaluation kit	INI HW connected OK

Figure 23: Result of sending 'Request config DG' to STIM202

### 5 Introduction to different parts and features of PC software

#### 5.1 Panels overview

In addition to the panel already shown ('Normal Mode' panel), some other panels are available in the PC software. Here they are listed as an introduction:

Ormal mode   Service mode   Measure   Demo   Pa     Bit to retinade   Epit to retinade   Epit to retinade   Epit to   Epi	Send command Camplete command	senson
valiable commands	Command response	
Extension	PRODUCT - STIN222 PRATT NUMBER - 83040.0034-1101 REV E PW CONFIG - M532 REV 5 PW CONFIG - W532 REV 5 OUTPUT UNIT = ['5] - M3GULAR FATE SAMPLING FREQUENCY / 144 - 1000 LP FLITER 30D FREQUENCY / 144 - 1000 LP FLITER 30D FREQUENCY / 2443 Ft/d - 282 LP FLITER 30D FREQUENCY / 2443 Ft/d - 282 ST FATE [PP - 460300 DATA LENGTH = 8 STOP BITS = 1 PARTY - NONE LINE TERMINATION - ON	Save Save
التي	4	لم

Figure 24: 'Service Mode' panel

Non	mal mo	de	Service	mode	Mea	asure	Dem	o Pi	erame	ters									1	🖌 se	nsor
Sa	Beasure mples		0	9	ove to file CRC ( DG-ID (	8		Kaxis dal Yaxis dal Zraxis dal	3 3 3	4	Data Comp	]	1	1	<b>.</b> 1		3				
c																		-			
	100-																				
	90-																				
	80-																				
	70-																				
w	50-							Ì.													
rate ['!	50-																				
Igular	20-																				
Ac	40-																				
	30-																				
	20-																				
	10-																				
	0-1		10		20	25	20	24	, in	is.	40	÷.	50	és.	20	×	ล่า	25	90	ok.	10

Figure 25: 'Measure' panel



### EvaluationTool STIM202 Evaluation Kit

#### STIM202 Ev ar sense asure Demo Parameters Jor 200.0 0.0-0.0 200.0--400.0-200.0 0.0 -200.0--400.0-, NORMAL MODE Program Files/STIM Evaluation/STIM202 evaluation kit.INI Figure 26: 'Demo' panel



Figure 27: 'Parameters' panel

Main panel menus:

- *'File'* → *'Open'* : For taking a specific INI-file into use (e.g. the default "STIM202 evaluation.INI")
- 'File' → 'New': For generating a new INI-file. Notice that this new INI-file should be edited before taken into use, and that it is not a copy of any existing INI-file
- *'File'* → *'Save as'* : For saving the current 'Parameters' content into a INI-file
- *'File'* → *'Print'* : For printing the current 'Parameters' content at the default printer
- *'File'*  $\rightarrow$  *'Exit'* : To exit program
- *'Edit'* → *'Parameters'* : To edit the 'Parameters' content
- *'Help'* → *'About'* : About the program (software revision number etc.)

### 5.2 Normal Mode panel description

Table 1: Normal Mode panel descriptions

Panel unit	Functionality and description	
Connect to HW	To connect to interface hardware. Opens PC COM port according to selections in the	
	parameter file	
LED	Indicator for hardware connection. Lit GREEN when successfully connected	
Disconnect from HW	To Disconnect from interface hardware. Closes PC COM port	
Apply voltage switch (On/Off)	To be switched manually (ON or OFF) by user when asked to. Controls certain	
	functions of the PC software	
Device box	Should hold the correct device number for the correct COM port number according to	
	parameter file	
Reset device button	Resets the device (the STIM202). Sends reset command ('R')	
Request config DG button	Sends command ('C') to receive one configuration datagram	
Request identity DG button	Sends command ('N') to receive one part number datagram	
Request serial# DG button	Sends command ('I') to receive one serial number datagram	
Enter serv. mode button	To enter Service Mode	
Response window	List the response to commands from the device (from STIM202)	



# EvaluationTool

### STIM202 Evaluation Kit

<u>F</u> ile <u>E</u> dit F <u>o</u> rm	nat <u>V</u> iew <u>H</u> elp							
[s] AR_X	<[/s] AR_Y	[/s] AR_Z	[/s] STS	RXCRC	Calcrc	DG_ID		
0.000000	0.049622	-0.134888	0.024475	0	40	40	144	
0.008000	0.089294	-0.128540	0.036133	0	246	246	144	
0.016000	0.121704	-0.095520	-0.019592	0	177	177	144	
0.024000	0.098816	-0.073608	-0.015076	0	75	75	144	
0.032000	0.056396	-0.116272	-0.001465	0	204	204	144	
0.040000	0.015808	-0.101440	-0.009094	0	3	3	144	
0.048000	0.004883	-0.045410	-0.048462	0	154	154	144	
0.056000	-0.012329	-0.088074	0.040649	0	85	85	144	
0.064000	0.009338	-0.064697	-0.018311	0	81	81	144	
0.072000	0.063721	-0.111816	0.024841	0	160	160	144	
0.080000	0.119080	-0.099121	-0.018372	0	123	123	144	
0.088000	0.093018	-0.099304	-0.016907	0	51	51	144	
0.096000	0.051758	-0.059021	0.010193	0	55	55	144	
0.104000	-0.021912	-0.074524	-0.033081	0	34	34	144	
0.112000	-0.026611	-0.091431	0.016663	Ō	170	170	144	
.120000	-0.019226	-0.074280	0.013000	Ō	44	44	144	
0.128000	-0.008972	-0.069031	0.033875	ō	38	38	144	
0.136000	0.046265	-0.076599	0.008423	Ō	9	9	144	
0.144000	0.098999	-0.163818	-0.014526	ō	96	96	144	
0.152000	0.094421	-0.111572	-0.013672	ō	190	190	144	
0.160000	0.073486	-0.128113	-0.013306	ŏ	245	245	144	
0.168000	0.070801	-0.056763	-0.005371	ō	47	47	144	
0.176000	-0.035400	-0.052979	0.048828	ō	203	203	144	
184000	-0.055847	-0.118896	0.048706	ō	110	110	144	
192000	-0.000427	-0.089966	0.013733	ŏ	62	62	144	

Figure 28: Result txt-file with time tags, measurement data, status byte, Rx CRC, Calc CRC and DG ID

#### Table 2: Result file descriptions

Description	
This column holds time tag data for each row of measurement data listed	
X-axis rotation angular rate data, in [°/s]	
Y-axis rotation angular rate data, in [°/s]	
Z-axis rotation angular rate data, in [°/s]	
Status byte. Normally 0. See ref[1] for details	
Re-calculated CRC on receiver side (in PC software)	
Calculated CRC on transmitter side (in STIM202 micro controller)	
Datagram ID. See ref[1] for details	

#### 5.3 Service Mode panel description

Service Mode is used for device configuration.

Service Mode is entered by pressing 'Enter serv. mode' button in Normal Mode. Panel units, functionality and descriptions are listed in Table 3. Exit from Service Mode is done by pressing either 'Exit to Normal Mode' or 'Exit to init mode' button.

Note: Changes applied by sending commands in Service Mode is stored to flash memory of STIM202 by sending the save command ('s').

Table 3: Service Mode panel descript	ions
Panel unit	Functiona

Panel unit	Functionality and description
Available commands window	Shows a list of available commands. See also ref[1] for details
Complete command window	Contains the complete command to send. It is auto-completed by usage of the listings in the available commands window. Left click in the complete command
	window shows a list of earlier sent commands. Right click enables manual command
	entry
Send command button	Sends command to device (STIM202)
Command response window	Shows the response to commands (the response from STIM202). See also ref[1] for
	details
Erase button	Erases the content of the command response window
Save button	Saves the content of the command response window to a text file with a detailed date and time tag



EvaluationTool

STIM202 Evaluation Kit

#### 5.4 Measure panel description

Table 4: Measure panel descriptions	
Panel unit	Functionality and description
Measure button	Starts a measurement series
Samples box	Defines the number of samples to be collected (max 50 millions)
Save to file button	Saves data from a completed measurement series to a result file
X-, Y- and Z-axis check boxes	Selects which axis data to present in the graph area (up to 3 axes can be plotted)
CRC and DG-ID LEDS	Confirms CRC and DG-ID as expected. LEDs turns red if checks fail
DG type box	Informs which datagram type is being received
Data box	Reserved for future use
Save to disk icon	Saves a picture of the plotted data to file
Print icon	Prints a picture of the plotted data to the default printer
1:1 icon	Resets zoom level to 1:1
Zoom icon	Enables a custom zoom of the presented results in the strip chart (graph area)
	according to placement of available cursors
Progress bar	A blue continuous line shows the measurement series progress
Lower bar on panel	Shows the INI-file in use and the active mode (NORMAL MODE)

Save data to file feature:

Measurement data can be logged to file from 'Measure' panel' by clicking "Save to file". This result file contains eight columns of tab separated data. An example of result file is shown in Figure 28. A detailed description of each column of data is found in Table 2.

#### 5.5 Demonstrator panel description

A demonstrator part of the software is found in the 'demo' panel. Various reset times and axis scales can be selected. The STIM202 axes rate signals are handled and plotted axis by axis real-time in these windows. Curves shown are angular rate [°/s] in red, and increment angle [°] in blue.

Functionality and description	

Table 5: Demonstrator panel descriptions



EvaluationTool

#### 5.6 Parameters panel description

**Table 6: Parameters panel descriptions** 

Panel unit	Functionality and description
===== General Parameters =====	
Password	Current valid password to be able to edit the parameters list. The
	password is "stim" by default. Can be changed
Default Folder for Result file Storage	This is \ (root on drive), however can be changed upon saving files
User Interface Tab to activate After Startup	Is Normal Mode panel by default, however can be changed
What Format to Use For Result Files	ASCII by default, however can be changed to 8byte binary
===== STIM communication =====	
RS422 Port # to Device # list	Defining which device to be assigned to which COM port number
RS422 Bitrate	Manual RS422 bit rate selection. NOTE: The USB serial interface cable
	that comes with the kit supports only the 460800 baud option for
	STIM202, while e.g. the add-on PCI card supports also the 374400 and
	921600 baud option
RS422 Stopbit	1 or 2
RS422 Parity	None, odd or even
RS422 Input Buffer Size	Recommended 1000000 (as default)
RS422 Output Buffer Size	Recommended 1000 (as default)
===== External Hardware =====	
The GPIB Card # to USE	Normally 0 (when no GPIB card in user). If card(s) are in use; the first
	card will be assigned to #1, second to #2, etc.
Type of Power supply used	Normally None (when not in use). Agilent E3631A, E3633A and E3644A
	supported
Interface that the Power is Connected With	Normally None (when not in use). RS232 (for Agilent E3631A only) and
	GPIB supported
Port Address to Power	Selectable up to 31. Default value is 5. Parameter should be neglected if
	not in use
Voltage on Output Power [V]	Default value is 5V. Can be neglected if not in use. Should be within
	supply voltage range of the device, and never exceed absolute
	maximum ratings value! (7.0V)
Current Limit on Output of Power [A]	Normally 0.5 if in use

#### 6 Summary table for available STIM202 evaluation tools

Table 7: STIM202 Evaluation kit and available add-ons

Description
STIM202 EVALUATION KIT
STIM202 NI PCI CARD RS485/RS422 2-PORT SERIAL INTERFACE
STIM202 NI EXPRESS CARD RS485/RS422 2-PORT SERIAL INTERFACE

#### NOTICE:

- The default STIM202 evaluation kit (hardware and software) with included NI USB interface cable for RS485/RS422 supports STIM202 communication and full device configuration at 460800 baud
- The PCI and express cards are considered as add-ons to the kit. They are both compatible with the STIM202 communication cable already included in the kit. The PCI card is the choice for longer measurements (characterizations) on stationary PC setups, while the express card is the choice for longer measurements (characterizations) on laptop setups. The PCI card supports RS422 bit rates up to 3Mbaud, and the express card supports RS422 bit rates up to 4608000 baud

#### 7 Referred documents

Table 8: Referred documents

Ref	Doc	Description
[1]	TS1439	Datasheet STIM202