

Exerciser GUI Screen Shots

Navigation

Exercisers

read_memory (Offline)

Block Memory

HardwareChannel A | **HardwareChannel B** | HardwareChannel C | Pattern Matcher



Blocklines

Line No	Fmt	Type	Data
0	3DW header, no data	Memory Read	write data to memory to address
StartTag	Sequence Number	Fmt*	Type*
STP	Auto Generated	3DW header, no data	Memory Read
TLP Digest	TLP poisoned	Attr*	Length
Depends On Behavior	false	00b	1 DWord (Chunks Depend On Behavior)
Requester ID*	Tag	Last DW BE*	First DW BE*
0x0000	Depends On Behavior	0000b	1111b
LCRC	EndTag		Address*
Depends On Behavior	END		0x00000000

Write Data To ...

Single Packet Memory

Data Memory

At:

Length: DWs

Behavior Repeat Settings

Repeat Blockline

Repeat Until Pattern Matched

1 2 3 4

endless loop for all packets



Behaviorlines

Line No	Chunk Length Of Payload	Repeat	Errors							
0	1024	0	Incorrect LCRC							
Chunk Length Of Payload	Repeat	TLP Digest	LCRC	Disparity	Payload Size	TLP Poisoned	TLP Nullified			
1024	0	Absent	Incorrect	Correct	Correct	Disabled	Disabled			
1	1024	0								
Chunk Length Of Payload	Repeat	TLP Digest	LCRC	Disparity	Payload Size	TLP Poisoned	TLP Nullified			
1024	0	Absent	Correct	Correct	Correct	Disabled	Disabled			
2	512	0								
Chunk Length Of Payload	Repeat	TLP Digest	ECRC	LCRC	Disparity	Payload Size	TLP Poisoned			
512	0	Present	Correct	Correct	Correct	Correct	Disabled			
TLP Nullified	Disabled									
3	1024	0								
Chunk Length Of Payload	Repeat	TLP Digest	LCRC	Disparity	Payload Size	TLP Poisoned	TLP Nullified			
1024	0	Absent	Correct	Correct	Correct	Disabled	Disabled			

Layer:
Incorrect LCRC

Fields with "*" can be set by user.

setup saved

Userlevel: Expert









Session: offline

Exerciser: offline























Hardwarestatus

Note:

Exerciser is offline.
No Hardwarestatus available.

-  General
-  Virtual Channel
-  Send Single Packet
-  Block Memory
-  Decoder
-  Config Space
-  Completion
-  Data Memory

Data Memory

Data Memory		Address	Data	ASCII
		0000 0000	00000000 0F000000 1E000000 2D000000-.
		0000 0010	3C000000 4B000000 5A000000 69000000	...<...K...Z...i
		0000 0020	78000000 87000000 96000000 A5000000	...x.....
		0000 0030	B4000000 C3000000 D2000000 E1000000	.....
		0000 0040	F0000000 FF000000 0E010000 1D010000	.....
		0000 0050	2C010000 3B010000 4A010000 59010000	...;...J...Y
		0000 0060	68010000 77010000 86010000 95010000	...h...w.....
		0000 0070	A4010000 B3010000 C2010000 D1010000	.....
		0000 0080	E0010000 F0010000 FE010000 0D020000	.....
		0000 0090	1C020000 2B020000 3A020000 49020000	.....+...:...I
		0000 00A0	58020000 67020000 76020000 85020000	...X...g...v...
		0000 00B0	94020000 A3020000 B2020000 C1020000	.....
		0000 00C0	D0020000 DF020000 EE020000 FD020000	.....
		0000 00D0	0C030000 1B030000 2A030000 39030000	.....*...9
		0000 00E0	48030000 57030000 66030000 75030000	...H...W...f...u
		0000 00F0	84030000 93030000 A2030000 B1030000	.....
		0000 0100	C0030000 CF030000 DE030000 ED030000	.....
		0000 0110	FC030000 0B040000 1A040000 29040000)
		0000 0120	38040000 47040000 56040000 65040000	...8...G...V...e
		0000 0130	74040000 83040000 92040000 A1040000	...t.....
		0000 0140	B0040000 BF040000 CE040000 DD040000	.....
		0000 0150	EC040000 FB040000 0A050000 19050000	.....
		0000 0160	28050000 37050000 46050000 55050000	...(.7...F...U
		0000 0170	64050000 73050000 82050000 91050000	...d...s.....
		0000 0180	A0050000 AF050000 BE050000 CD050000	.....
		0000 0190	DC050000 EB050000 FA050000 09060000	.....
		0000 01A0	18060000 27060000 36060000 45060000	.....'...6...E
		0000 01B0	54060000 63060000 72060000 81060000	...T...c...r...
		0000 01C0	90060000 9F060000 AE060000 BD060000	.....
		0000 01D0	CC060000 DB060000 EA060000 F9060000	.....
		0000 01E0	08070000 17070000 26070000 35070000	.....&...5
		0000 01F0	44070000 53070000 62070000 71070000	...D...S...b...q
		0000 0200	80070000 8F070000 9E070000 AD070000	.....
		0000 0210	BC070000 CB070000 DA070000 E9070000	.....
		0000 0220	F8070000 07080000 16080000 25080000%
		0000 0230	34080000 43080000 52080000 61080000	...4...C...R...a
		0000 0240	70080000 7F080000 8E080000 9D080000	...p.....
		0000 0250	AC080000 BB080000 CA080000 D9080000	.....
		0000 0260	E8080000 F7080000 06090000 15090000	.....









Data Display Format: DWord aligned Hex View (little endian) Bytes per Line: 16

Note:
Exerciser is offline.
No Hardwarestatus available.

Navigation ⌵ ✕

Exercisers

read_memory (Offline)

-  General
-  Virtual Channel
-  Send Single Packet
-  Block Memory
-  Decoder
-  Config Space
-  Completion
-  Data Memory

Decoder

BAR 0

Decoder	Enabled ▾		
Location	I/O ▾		
Prefetchable	No ▾	Resource	Data Memory ▾
Size	2 ⁵ (32 Byte) ▾	Data Memory Base Address	0x000000 <input type="text"/>
Base Address	0x00000000 <input type="text"/>	Completion Queue	Queue 0 ▾

BAR 1

Decoder	Enabled ▾		
Location	Memory (64 Bit) ▾		
Prefetchable	No ▾	Resource	Data Memory ▾
Size	2 ¹⁵ (32 KByte) ▾	Data Memory Base Address	0x000000 <input type="text"/>
Base Address	0x0000000000000F00 <input type="text"/>	Completion Queue	Queue 1 ▾

BAR 2

Note:

The previous decoder is a 64 Bit decoder thus this bar is not available.









BAR 3

Decoder	Enabled ▾		
Location	Memory (32 Bit) ▾		
Prefetchable	No ▾	Resource	Data Memory ▾
Size	2 ¹⁷ (128 KByte) ▾	Data Memory Base Address	0x000000 <input type="text"/>
Base Address	0x000E2000 <input type="text"/>	Completion Queue	Queue 0 ▾

BAR 4

Decoder	Disabled ▾		
Location	I/O ▾		

setup saved
Userlevel: Expert
Session: offline
Exerciser: offline

-  General
-  Virtual Channel
-  Send Single Packet
-  Block Memory
-  Decoder
-  Config Space
-  Completion
-  Data Memory

General

General | Lane Settings

Supported Link Widths: x1 x2 x4 x8

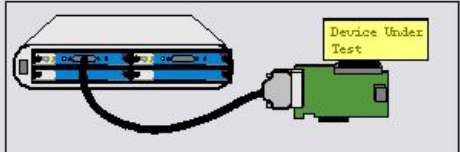
Negotiated Link Width: x1

PCI Express Specification Revision: 1.0

Scrambler: Enabled

Negotiated Scrambler: Disabled

Session Type: To Downstream





Navigation

Exercisers



read_memory (Offline)



Untitled2 (Offline)

Information

Name : read_memory
Path/Filename : C:\view_storage\thofrank_view_spt_snap\sptexpress\sw\analyzer\Serial Protocol Suite\Exerciser GUI\bin\Debug\read_memory.exe
Session Type : To Downstream (offline)
Description : Simple example for reading memory from DUT

Settings

General
Global Settings

Decoder
Decoder the Exerciser should implement

Virtual Channel
Setup supported Virtual Channels

Config Space
Configure Your ConfigSpace

Send Single Packet
Setup and Send a single Request

Completion
Configure how to act as completor

Block Memory
Setup Requests to send

Data memory
Read/Write internal data memory

Hardwarestatus

Note:
Exerciser is offline.
No Hardwarestatus available.









read_memory (Offline)

setup saved

Userlevel: Expert

Session: offline

Exerciser: offline

-  General
-  Virtual Channel
-  Send Single Packet
-  Block Memory
-  Decoder
-  Config Space
-  Completion
-  Data Memory

Send Single Packet

Single Packet | Received Completions

- 
- 
- 
- 
- 

Request

Line No	Fmt	Type	Data																																								
0	3DW header, no data	Memory Read	write data to Single Packet Mem																																								
<table border="1"> <tr> <td>StartTag</td> <td>Sequence Number</td> <td>Fmt*</td> <td>Type*</td> <td>Traffic Class*</td> </tr> <tr> <td>STP</td> <td>Auto Generated</td> <td>3DW header, no data</td> <td>Memory Read</td> <td>000b</td> </tr> <tr> <td>TLP Digest</td> <td>TLP poisoned</td> <td>Attr*</td> <td>Length</td> <td>Requester ID*</td> </tr> <tr> <td>Depends On Behavior</td> <td>false</td> <td>00b</td> <td>4 DWord</td> <td>0x0000</td> </tr> <tr> <td>Tag</td> <td>Last DW BE*</td> <td>First DW BE*</td> <td colspan="2">Address*</td> </tr> <tr> <td>Depends On Behavior</td> <td>0000b</td> <td>1111b</td> <td colspan="2">0x00000000</td> </tr> <tr> <td>LCRC</td> <td>EndTag</td> <td colspan="3"></td> </tr> <tr> <td>Depends On Behavior</td> <td>END</td> <td colspan="3"></td> </tr> </table>				StartTag	Sequence Number	Fmt*	Type*	Traffic Class*	STP	Auto Generated	3DW header, no data	Memory Read	000b	TLP Digest	TLP poisoned	Attr*	Length	Requester ID*	Depends On Behavior	false	00b	4 DWord	0x0000	Tag	Last DW BE*	First DW BE*	Address*		Depends On Behavior	0000b	1111b	0x00000000		LCRC	EndTag				Depends On Behavior	END			
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LCRC	EndTag																																										
Depends On Behavior	END																																										

Write Data To ...

Single Packet Memory

Data Memory

At:

Length: DWs

Request Behavior

Line No	Errors					
0	TLP Digest	LCRC	Disparity	Payload Size	TLP Poisoned	TLP Nullified
	Absent	Correct	Correct	Correct	Disabled	Disabled
1	TLP Digest	LCRC	Disparity	Payload Size	TLP Poisoned	TLP Nullified
	Absent	Correct	Correct	Correct	Disabled	Disabled

Fields with "*" can be set by user.

Apply Cancel Help

Note:
Exerciser is offline.
No Hardwarestatus available.