

Packet Format - from Software to Captan:		
Max Packet size is		1472
Start Byte	Field Size [bytes]	Description
0	1	OpCode
1	1	CmdSize
1	8	Address
9	0-1456	Data

Note: The data field is only used for a write. The data is written to global memory starting at the address in the address field. The data size is handled by the UDP standard so it is not a packet field and data size must be a multiple of 64.

The number of 64-bit Quad-Words to read or write is specified by the CmdSize byte. The value must be 1-182.

Packet Format - from Captan to Software:		
Max Packet size is		1472
Start Byte	Field Size [bytes]	Description
0	1	Packet Type
1	1	Sequence ID
2	0-1456	Data

CmdSize is the number of memory accesses

Packet Type	
bit	desc
0	OpCode(0)
1	OpCode(1)
2	OpCode(2)
3	Reserved
4	Reserved
5	Reserved
6	Reserved
7	Reserved

0 := Read, 1 := Write, 2 := Burst Start, 3 := Burst Stop, 4-7 := Undefined

Max number of bytes readable: 1462
Number of size values possible: 182.75
Number of size bits required: 7.513728

Quad-Word quantity: 182
Quad-Word size: 1456
Remaining packet bytes available: 15

Packet Type	
bit	desc
0	RetCode(0)
1	RetCode(1)
2	RetCode(2)
3	Status(0)
4	Status(1)
5	Status(2)
6	Status(3)
7	Status(4)

0 := Read, 1 := First in Burst, 2 := Burst Middle, 3 := Last in Burst, 4-7 := Undefined
Not yet defined... Indicates problems/concerns with data.