>> d=[0;0;0;14;0;0;10;36;65;88;73;83;95;65;67;84;46;120]

d =

0

0

0

14

0

0

10

36

65

88

73

83

95

65

67

84

46

120

>> char(d')

ans =

$AXIS\_ACT.x

>> t=tcpip('192.168.1.100',7000)

TCPIP Object : TCPIP-192.168.1.100

Communication Settings

RemotePort: 7000

RemoteHost: 192.168.1.100

Terminator: 'LF'

NetworkRole: client

Communication State

Status: closed

RecordStatus: off

Read/Write State

TransferStatus: idle

BytesAvailable: 0

ValuesReceived: 0

ValuesSent: 0

>> fopen(t)

>> t

TCPIP Object : TCPIP-192.168.1.100

Communication Settings

RemotePort: 7000

RemoteHost: 192.168.1.100

Terminator: 'LF'

NetworkRole: client

Communication State

Status: open

RecordStatus: off

Read/Write State

TransferStatus: idle

BytesAvailable: 0

ValuesReceived: 0

ValuesSent: 0

>> fwrite(t,d)

>> t

TCPIP Object : TCPIP-192.168.1.100

Communication Settings

RemotePort: 7000

RemoteHost: 192.168.1.100

Terminator: 'LF'

NetworkRole: client

Communication State

Status: open

RecordStatus: off

Read/Write State

TransferStatus: idle

BytesAvailable: 10

ValuesReceived: 0

ValuesSent: 18

>> d2=fread(t,20)

Warning: Unsuccessful read: The specified amount of data was not returned

within the Timeout period.

d2 =

0

0

0

6

0

0

0

0

1

1

>> t

TCPIP Object : TCPIP-192.168.1.100

Communication Settings

RemotePort: 7000

RemoteHost: 192.168.1.100

Terminator: 'LF'

NetworkRole: client

Communication State

Status: open

RecordStatus: off

Read/Write State

TransferStatus: idle

BytesAvailable: 0

ValuesReceived: 10

ValuesSent: 18

>> fclose(t)

>> fopen(t)

>> t

TCPIP Object : TCPIP-192.168.1.100

Communication Settings

RemotePort: 7000

RemoteHost: 192.168.1.100

Terminator: 'LF'

NetworkRole: client

Communication State

Status: open

RecordStatus: off

Read/Write State

TransferStatus: idle

BytesAvailable: 0

ValuesReceived: 0

ValuesSent: 0

>> d=[0;0;0;13;0;0;10;36;65;88;73;83;95;65;67;84]

d =

0

0

0

13

0

0

10

36

65

88

73

83

95

65

67

84

>> char(d')

ans =

$AXIS\_ACT

>> fwrite(t,d)

>> t

TCPIP Object : TCPIP-192.168.1.100

Communication Settings

RemotePort: 7000

RemoteHost: 192.168.1.100

Terminator: 'LF'

NetworkRole: client

Communication State

Status: open

RecordStatus: off

Read/Write State

TransferStatus: idle

BytesAvailable: 158

ValuesReceived: 0

ValuesSent: 16

>> d2=fread(t,t.BytesAvaliable)

The name 'BytesAvaliable' is not an accessible property for an instance of class

'TCPIP objects'.

>> d2=fread(t,t.BytesAvailable)

d2 =

0

0

0

154

0

0

148

123

69

54

65

88

73

83

58

32

65

49

32

55

56

46

57

54

55

55

53

48

53

44

32

65

50

32

45

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46

48

125

0

1

1

>> char(d2')

ans =

 {E6AXIS: A1 78.9677505, A2 -1.82196856, A3 70.4526825, A4 -7.19545269, A5 21.6515484, A6 39.8658905, E1 0.0, E2 0.0, E3 0.0, E4 0.0, E5 0.0, E6 0.0}

>> fwrite(t,d)

>> d2=fread(t,t.BytesAvailable)

d2 =

0

0

0

153

0

0

147

123

69

54

65

88

73

83

58

32

65

49

32

54

49

46

51

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125

0

1

1

>> char(d')

ans =

$AXIS\_ACT

>> char(d2')

ans =

 {E6AXIS: A1 61.3636665, A2 4.62390709, A3 51.0735970, A4 -4.62213087, A5 33.7083588, A6 19.3986816, E1 0.0, E2 0.0, E3 0.0, E4 0.0, E5 0.0, E6 0.0}

>> fwrite(t,d)

>> d3=fread(t,t.BytesAvailable)

d3 =

0

0

0

154

0

0

148

123

69

54

65

88

73

83

58

32

65

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32

54

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46

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48

44

32

69

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32

48

46

48

125

0

1

1

>> char(d3')

ans =

 {E6AXIS: A1 61.3636665, A2 -17.0243874, A3 69.4109879, A4 -4.26078176, A5 37.0083771, A6 18.9557953, E1 0.0, E2 0.0, E3 0.0, E4 0.0, E5 0.0, E6 0.0}

>> fwrite(t,d)

>> d4=fread(t,t.BytesAvailable)

d4 =

0

0

0

154

0

0

148

123

69

54

65

88

73

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69

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32

48

46

48

44

32

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48

125

0

1

1

>> char(d4')

ans =

 {E6AXIS: A1 91.5288467, A2 -23.8984699, A3 88.0853195, A4 -5.71537828, A5 26.6272964, A6 50.8597412, E1 0.0, E2 0.0, E3 0.0, E4 0.0, E5 0.0, E6 0.0}

>> fwrite(t,d)

>> d5=fread(t,t.BytesAvailable)

d5 =

0

0

0

154

0

0

148

123

69

54

65

88

73

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69

53

32

48

46

48

44

32

69

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32

48

46

48

125

0

1

1

>> char(d5')

ans =

 {E6AXIS: A1 91.5288467, A2 -23.8984699, A3 88.0853195, A4 -5.71537828, A5 26.6272964, A6 50.8597412, E1 0.0, E2 0.0, E3 0.0, E4 0.0, E5 0.0, E6 0.0}

>>