>> 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

49

46

56

50

49

57

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48

46

48

44

32

69

53

32

48

46

48

44

32

69

54

32

48

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

54

51

54

54

54

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69

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32

48

46

48

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}

>>