>> 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

54

56

53

54

44

32

65

51

32

55

48

46

52

53

50

54

56

50

53

44

32

65

52

32

45

55

46

49

57

53

52

53

50

54

57

44

32

65

53

32

50

49

46

54

53

49

53

52

56

52

44

32

65

54

32

51

57

46

56

54

53

56

57

48

53

44

32

69

49

32

48

46

48

44

32

69

50

32

48

46

48

44

32

69

51

32

48

46

48

44

32

69

52

32

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

53

44

32

65

50

32

52

46

54

50

51

57

48

55

48

57

44

32

65

51

32

53

49

46

48

55

51

53

57

55

48

44

32

65

52

32

45

52

46

54

50

50

49

51

48

56

55

44

32

65

53

32

51

51

46

55

48

56

51

53

56

56

44

32

65

54

32

49

57

46

51

57

56

54

56

49

54

44

32

69

49

32

48

46

48

44

32

69

50

32

48

46

48

44

32

69

51

32

48

46

48

44

32

69

52

32

48

46

48

44

32

69

53

32

48

46

48

44

32

69

54

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}

>> 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

49

32

54

49

46

51

54

51

54

54

54

53

44

32

65

50

32

45

49

55

46

48

50

52

51

56

55

52

44

32

65

51

32

54

57

46

52

49

48

57

56

55

57

44

32

65

52

32

45

52

46

50

54

48

55

56

49

55

54

44

32

65

53

32

51

55

46

48

48

56

51

55

55

49

44

32

65

54

32

49

56

46

57

53

53

55

57

53

51

44

32

69

49

32

48

46

48

44

32

69

50

32

48

46

48

44

32

69

51

32

48

46

48

44

32

69

52

32

48

46

48

44

32

69

53

32

48

46

48

44

32

69

54

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

83

58

32

65

49

32

57

49

46

53

50

56

56

52

54

55

44

32

65

50

32

45

50

51

46

56

57

56

52

54

57

57

44

32

65

51

32

56

56

46

48

56

53

51

49

57

53

44

32

65

52

32

45

53

46

55

49

53

51

55

56

50

56

44

32

65

53

32

50

54

46

54

50

55

50

57

54

52

44

32

65

54

32

53

48

46

56

53

57

55

52

49

50

44

32

69

49

32

48

46

48

44

32

69

50

32

48

46

48

44

32

69

51

32

48

46

48

44

32

69

52

32

48

46

48

44

32

69

53

32

48

46

48

44

32

69

54

32

48

46

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}

>>