



eScada

v24.1.1
Drivers

eScada.Drivers.LTIServoOne
(LTI DRIVES)

eScada.Drivers.LTIServoOne

OS availability

Windows, Linux, RaspBian

Atomic data type

Byte or 16, 32 bit Word oriented protocol.

Hardware and documentation reference

www.lti-motion.com

Parameters available in every section

| | | |
|----------|------------------------|--|
| Channel: | none | |
| Device: | IP address | It can be IPV4 Multiple addresses can be expressed using multiple rows or a comma. e.g. 192.168.1.10,192.168.1.11 |
| | TCP Port | A valid TCP port number (default 2317) |
| | Reconnect timeout [ms] | Waiting time before a reconnection after COMM break-down |
| | Response timeout [ms] | Timeout interval used to wait for a response. |
| | Bytes order | Little Endian, Big Endian |
| | String actions | 0=None 1=Swap bytes in words |
| Group: | none | |
| Tag: | none | |

Remarks for devices

The following attributes can be expressed for each device.

| | |
|---------------------|---|
| Bytes order actions | None, Swap bytes order, Swap bytes order in DWords, Swap words order, Swap bytes order in DWords then words order |
| String actions | None, Swap bytes in words |

Data type remarks:

- Single bit not supported; in case of LTI bool32 type, please use unsigned integer 32 bit.
- 64 bit integers and double precision floating point TAGs are not supported.
- S7 Strings type are not supported.
- Multiple items for string type parameters are not supported.
- Parameters can be written one by one, thereby multiple elements are not allowed for writing TAGs.
- Multiple items for reading TAGs can be used, but data type must be same for all items and items must belong to the same parameter.
- Parameters of string type can be defined with a string length up to 252 chars.

Addressing:**Dx.Py.IDz****D**=Data set

Optional, if missing the actual active data set will be used.

P=Parameter ID (**remarks:** standard ID, it must be a decimal number not hexadecimal)

Required

ID=Parameter sub ID; first sub index is 0, even for parameters with no sub index declared.

Required

| Variable type | Type | Address type | Items |
|---|----------------------|--------------------|-------|
| Boolean The number of items used declaring TAGs, must be a multiple of 16 | | | |
| Single bit | Bit | not supported | |
| Byte The number of items used declaring TAGs, must be a multiple of 2 | | | |
| Unsigned 8 bit | UInt8 | see addressing ... | (A) |
| Signed 8 bit | Int8 | | |
| 16 bit | | | |
| Unsigned integer 16 bit | UInt16 | see addressing ... | (A) |
| Signed integer 16 bit | Int16 | | |
| 32 bit | | | |
| Unsigned integer 32 bit | UInt32 | see addressing ... | (A) |
| Signed integer 32 bit | Int32 | | |
| Single precision 32 bit - (IEEE 754) | Float | | |
| 64 bit | | | |
| Unsigned integer 64 bit | UInt64 | not supported | |
| Signed integer 64 bit | Int64 | | |
| Double precision 64 bit - (IEEE 754) | Double | | |
| Strings String bytes can be interpreted as ASCII, UTF-7, UTF-8, UTF-16 or UTF-32 encoding | | | |
| Array of bytes | String | see addressing ... | 1 |
| Array of bytes. (Siemens S7) Array of bytes. (AllenBradley style) | S7String ABString | not supported | |
| (A) Items number greater than 1 can be specified for same data type and within the same parameter. Not for TAGS defined as read and write mode. | | | |