v24.2.0
Drivers

eScada.Drivers.Mitsubishi.SLMP3E

eScada.Drivers.OmronFinsCom
(Mitsubishi SLMP3E Protocol)

OS availability
Windows, Linux, RaspBian

Atomic data type
bit or 16, 32 bit Word oriented protocol.

Hardware and documentation reference
MELSEC iQ-F - FX5 User's Manual (SLMP)

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.
	Protocol type	0=Binary
	Network number	(HEX value)
	Station number	(HEX value)
	Module I/O number	(HEX value)
	Multi drop station number	(HEX value)
	Monitoring timer	
	Reconnect timeout [ms]	Waiting time before a reconnection after COMM break-down
	Response timeout [ms]	Timeout interval used to wait for a response.
Group:	none	
Tag:	none	
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

Implemented devices

The user must verify with its PLC reference manual whether the desired device is addressable or not.

Booleans		Single element	HMI Array
X	Input	X	X
Y	Output	X	X
M	Internal Relay	X	X
L	Latching Relay	X	X
F	Annunciator	X	X
B	Link Relay	X	X
S	Step Relay	X	X
TS	Timer contact	X	X
TC	Timer coil	X	X
SS	Retentive Timer contact	X	X
SC	Retentive Timer coil	X	X
CS	Counter contact	X	X
CC	Counter coil	X	X
LCS	Long Counter contact	X	X
LCC	Long Counter coil	X	X
SB	Link special relay	X	X
SM	Special relay	X	X
V	Edge relay	X	X
LTS	Long timer contact	X	X
LTC	Long timer coil	X	X
LSTS	Long retentive timer contact	X	X
LSTC	Long retentive timer coil	X	X
BL	SFC block device	X	X

Word (16 bit)		Single element	HMI Array
D	Data register	X	X
W	Link register	X	X
TN	Timer current value	X	X
SN	Retentive Timer current value	X	X
CN	Counter current value	X	X
SW	Link special register	X	X
SD	Special register	X	X
Z	Index register	X	X
R	File register	X	X
G	Module access device	X	X
ZR	File register	X	X

DWord (32 bit)		Single element	HMI Array
LCN	Long Counter coil	X	X
LZ	Long Index register	X	X
LTN	Long timer value	X	X
LSTN	Long retentive timer value	X	X

Address example:
D120, M1200, CN10, ecc ...
Expressed using base 10 numbers

Addressing

Variable type	Type	Device type	Items
Boolean Items for this type regarding 16 bit words must be declared as multiple of 16			
Single bit	Bit	Booleans, Word 16 bit	(C)
Byte The number of items used declaring TAGs, must be a multiple of 2			
Unsigned 8 bit	UInt8	Word 16 bit	(C)
Signed 8 bit	Int8		
16 bit			
Unsigned integer 16 bit	UInt16	Word 16 bit	(C)
Signed integer 16 bit	Int16		
32 bit			
Unsigned integer 32 bit	UInt32	Word 16 bit, DWord 32 bit	(C)
Signed integer 32 bit	Int32		
Single precision 32 bit - (IEEE 754)	Float		
64 bit			
Unsigned integer 64 bit	UInt64	Word 16 bit	(C)
Signed integer 64 bit	Int64		
Double precision 64 bit - (IEEE 754)	Double		
Strings The string length used declaring TAGs, must be a multiple of 2 String bytes can be interpreted as ASCII, UTF-7, UTF-8, UTF-16 or UTF-32 encoding			
Array of bytes	String	Word 16 bit	(A, C)
Array of bytes. (Siemens S7) Array of bytes. (AllenBradley style)	S7String ABString	Not allowed	
(A) It depends on the strings length:			
(C) It depends on PLC model. The best way is to try with the maximum items you need. Please refer to your PLC model documentation and its protocol specification			

S7 strings format
Not allowed

AB Strings format
Not allowed

Consecutive items
The number of consecutive read/write items depends on the PLC model.