

Toshiba Series PLC Driver

Information Sheet for Crimson v2.0

Compatible Devices

- T-Series PLC
- EX-Series PLC
- S-Series PLC

Verified Devices

- T2 PU224 PLC
- M20 PROSEC EX-Series PLC
- S2E PU612E PLC

Version Information for Version 1.10:

Added a Device Option for S-Series PLC's.

Added F Registers. Available only for the S or T-Series device option.

Added Long and Real Number support for D, and RW registers.

Increased XW and YW word selection to 999 to accommodate the S-Series PLC's.

Accessible Data

Prefix	Description	Range	Notes
D	Data Registers	0 – 9999	
F	File Registers	0 – 32767	S-Series Only
XW	Input Words	0 – 999	1
YW	Output Words	0 – 999	1
RW	RW Registers	0 – 9999	
T	Timers	0 – 999	2
C	Counters	0 – 999	2

1) For T and Ex series, the 100's digit is ignored by the driver.

2) For T or S series PLC communications, Device-ON, Device-OFF, or Status, must also be selected. When Status is selected, only read operations will occur. If time-up/count-up operation is desired select Device-ON, otherwise select Device-OFF.

Other important information:

To be compatible with existing databases, Long values are returned with the lower numbered of the two registers in the high word of the result.

Example: Register 100 is hex 1111, and register 101 is hex 2222. The returned Long will be hex 11112222.

For Real numbers, the low 16 bits of the value are in the lower numbered of the two registers.

Example: C1480000 is the hex value for the real number -12.5.
Register 100 contains 0, register 101 contains the hex value C148.

Cable Information

RS485 Communications Port:

G3 RS485 Port	Toshiba PLC
1 - TxB	RxA
2 - TxA	RxB
3 - RxA	TxB
4 - RxB	TxA
6 - COMM	COMM