ImageWriter

RS-232 Driver Parameter Module

ImageWriter Supports a configurable RS-232 driver for devices that use the RS-232 interface. In certain circumstances you may wish to modify the parameters, especially the clock-frequency, to enhance system throughput or improve compatibility. Driver parameters are always reset and initialized to algorithm defaults when you select the Manufacturer:Device via a CIL command or in Terminal Mode.

If your device selection contains a p_RS232 device object, you may load(examine) or program these parameters to non-default values. After programming new values, a load operation may return different values depending on driver capability (for example, the clock speed may be set slower than the programmed requested speed). The mapping of the p_RS232 object is detailed below.

You should not modify RS-232 driver parameters from their defaults without due reason and understanding of the target devices programming specifications. Modification of parameters may cause indeterministic algorithm or system behavior and prevent proper device programming.

Object for p_RS232

Object Name:	*Program / Execute*	*Verify*	*Load*	*Object Size (Bytes)*
p_RS232	●		●	0x08

Object Memory Map:

Byte 0	Byte 1	Byte 2	Byte3
Baud Rate(MSB)	**Baud Rate**	**Baud Rate**	**Baud Rate(LSB)**

Byte 4	Byte 5	Byte 6	Byte7
Reserved	**Reserved**	**Reserved**	**Reserved**

- Baud Rate is a 32-bit value expressed in 4 hexadecimal bytes stored in ImageWriter memory. Only the following values are valid:

BAUD RATE:	Hex Values (ImageWriter memory):
115200	0x00 0x01 0xC2 0x00
57600	0x00 0x00 0xE1 0x00
38400	0x00 0x00 0x96 0x00
19200	0x00 0x00 0x4B 0x00
9600	0x00 0x00 0x25 0x80
4800	0x00 0x00 0x12 0xC0
2400	0x00 0x00 0x09 0x60
1200	0x00 0x00 0x04 0xB0
300	0x00 0x00 0x01 0x2C

--note: Entire hex values in memory must be properly set to match desired baud-rate. Any deviation from listed values will not be accepted by driver.

- Reserved Bytes, these bytes are reserved for future use.