

## 2-3. Module Specifications

**Table 2-1. Link Controller Module Specifications**

Description	Value
Number of serial ports	2
Applications serial port  (In <b>CE Mark certified systems</b> , the Link Controller must be used only in communication fault tolerant systems. That is, communication retries must be tolerated.)	Signals are galvanically isolated from logic common.  This port may be interfaced via the Personality module's J2 male DB9 connector (refer to <a href="#">Table 2-2</a> or <a href="#">Table 2-3</a> ) OR via the Base unit terminal block (refer to <a href="#">Figure 2-2</a> ).  (1C31169G01) RS-232 signal levels: Note that standard IBM PC/AT COM1 port pin assignments are present at the J2 DB9 connector OR (1C31169G02) RS-485/RS-422 signal levels: four wire link, RS-485/RS-422 transmitter/receiver. Resistor terminations are user selectable.
Applications serial port baud rate	300, 600, 1200, 2400, 4800, 9600, or 19200
Applications serial port dielectric isolation: (Port to logic)	1000 V AC peak/DC
Programming serial port	Signals are not galvanically isolated from logic common. RS-232 signal levels (TX/ and RX/) This port must be interfaced via the Personality module's J1 male DB9 connector (refer to <a href="#">Table 2-7</a> )
Programming serial port baud rate	19200 baud (default) OR 9600 baud (user selectable option)
Processor	80C186EC 16-bit
Program RAM	640 Kbytes
Dual port RAM	4 Kwords (data interface between the I/O bus and the Link Controller module)
Module power	3 W typical 4 W maximum
Operating temperature range	0 to 60°C (32°F to 140°F)
Storage temperature range	-40°C to 85°C (-40°F to 185 °F)
Humidity (non-condensing)	0 to 95%