

**Data Sheet**

# Series 2000 Standard Reader


**Description**

The Series 2000 Standard Reader provides all RF and Control Functions to communicate with 134.2 kHz HDX/FSK transponders. It sends an energizing signal to the transponder, modulates the RF signal to send data to the transponder, decodes and checks the received transponder data and transmits it via a standard serial interface (RS232 or RS422/485).

**Specifications:**

	<b>RI-STU-MB2A</b>	<b>RI-STU-MB6A</b>
Operating Temperature	0 to +70°C	
Storage Temperature	-40 to +85°C	
Relative Humidity	<97% non-condensing, IEC 68-2-30 Test Db, 21 cycles	
RF Transmit Frequency	134.2 kHz	
Power Supply	7 to 14 Vdc, regulated	
Memory	64 kByte EPROM for Firmware 1kBit EEPROM for Configuration 32 kByte RAM for Data	
Data Storage	909 ID Codes (each 64bit)	
Communications Interface	RS232	RS422/485
System Architecture	Point-to-point	Point-to-point, point-to-multipoint
Communications Parameters	600 - 57600 baud, 7/8 data bits, even/odd parity	
Communications Protocol	ASCII with Xon/Xoff handshake, TIRIS Bus Protocol	
Inputs/Outputs	8 configurable digital I/Os, 2 open collector outputs	
Connector Type	Standard Phoenix plug/screw connectors	
Antenna Tuning Range	26 to 27.9 $\mu$ H (L-tuning)	
Antenna Resonance Voltage	Max. 240 Vpeak	
Transponder Types	134.2 kHz HDX/FSK	
Dimensions	(92 mm x 82 mm x 59 mm) $\pm$ 1 mm	
Weight	258 grams	

For more information, contact the sales office or distributor nearest you. This contact information can be found on our web site at: <http://www.ti-rfid.com>

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