Data Sheet

HF Reader System Series 6000
S6500 Long Range Reader Module

Specifications:

Part number	RI-STU-650A
Operating Frequency	13.56MHz ± 7kHz
Supported Transponders	Tag-it HF, Tag-it HF-I, ISO 15693 compliant Transponders
Supply voltage	24V DC +5% / -1% (Noise Ripple: max. 20mV)
Power consumption	Max. 60W
Transmitter power	0.5W to 10W ± 1dB (adjustable by software in 0.25W steps) above 4W output power an additional heat sink 0.8K/W is necessary
Transmitter modulation	AM (10% - 30%) ± 6% or 100% (adjustable by software)
Antenna connection	Basic antenna (TX/RX) 1 x SMA female Complementary antenna (RX only):: 1 x SMA female
Antenna Impedance	50 Ohm at 13.56MHz
Receive channels	ASK 423.75kHz and FSK 423.75kHz / 484.29kHz for both antennas (adjustable by software)
Communication Interfaces	RS232 or RS485 (set by jumper)
Address setting for interface	Optional: - 3-position DIP switch (up to 8 addresses) - Software (up to 254 addresses)
Communication Parameters	Up to 115kBits, 8 data bits, even/odd/no parity
Communication Protocol	ISO Host Protocol
Memory	EEPROM 1kByte (for parameters; up to 10,000 write cycles) RAM 256 kByte (for data) Flash 512 kByte (for firmware; update via communication interface)
Outputs	2 opto-coupled: 24V DC / 30mA 1 relay: 24V DC / 60W
Inputs	2 opto-coupled: max. 24V DC / 20mA
Optical Indicators	5 LED's for status diagnostics
Synchronization	Protocol synchronization via I/O
Operating Temperature	-20°C to +65°C
Storage Temperature	-40°C to +85°C
Vibration	EN60068-2-6 (10Hz to 200Hz: 0.15mm/2g)
Dimensions (L x W x H)	160mm x 120mm x 67mm
Weight	650 g

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**