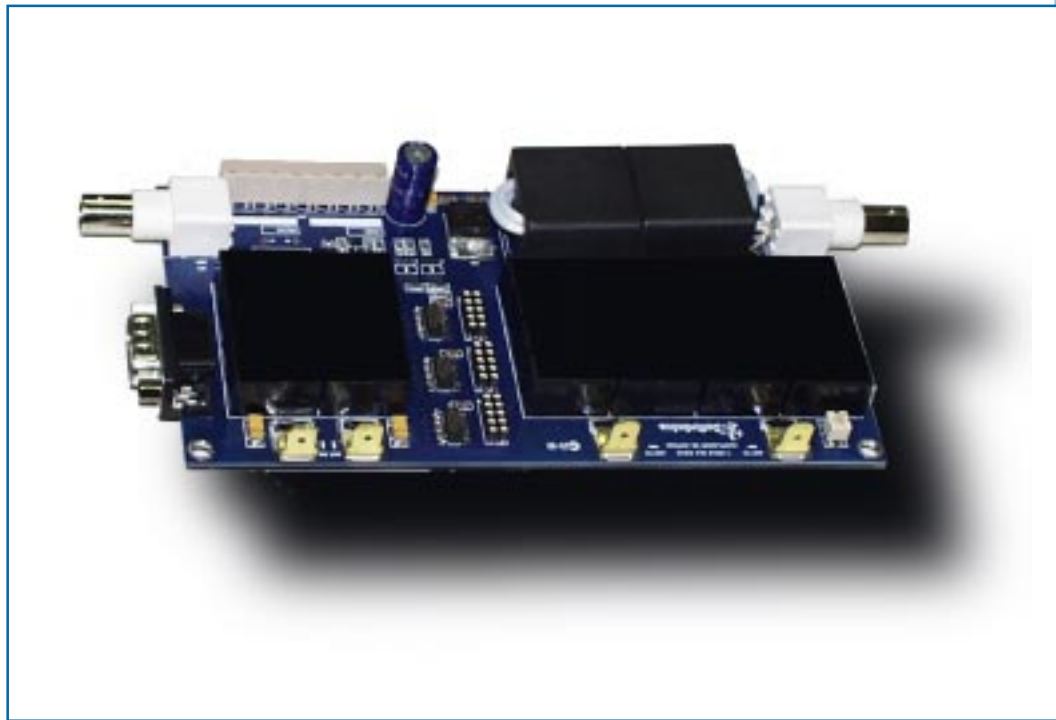


TX/RX AUTOMATIC TUNING UNIT *ANTUN5000*



Product Overview

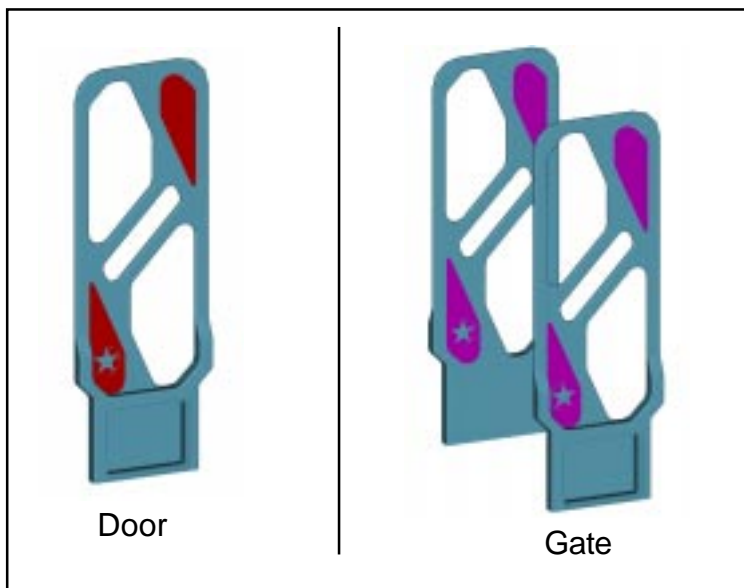
Automatic Antenna Tuning Unit to couple the antennas to the RFID reader/encoder. It adjust the ideal tuning point of the antenna, under RIDEL5000 control.

The ANTUN5000 allows the coupling of the slave antenna in «gate» configurations, with two antennas, both TX/RX.

It is also used to couple the antenna when the system requires one antenna, in «door» configurations.

It has a digital input to be controlled from the RIDEL5000 by means of a synchronous serial protocol. If it is used with two antennas, the control signals come through the master tuning unit (ATUSP5000).

CONFIGURATION



Door Configuration:

- 1 Antenna ANTLR5000.
- 1 Reader/Encoder RIDEL5000.
- 1 Automatic Tuning Unit ANTUN5000.

Gate Configuration:

- 2 Antennas ANTLR5000.
- 1 Reader/Encoder RIDEL5000.
- 1 Slave Automatic Tuning Unit ANTUN5000
- 1 Master Automatic Tuning Unit ATUSP5000

FEATURES

- Tuning by resonant frequency adjustment by means of serial and parallel capacitance.
- Opto-isolated serial control from the RIDEL5000 (Clk, Data, Strobe)
- TX and RX antenna coupling