Atlas RFID Reader

Application

The Atlas Reader is specifically configured for an in office application. It is designed for a client check in station both at the front desk and in the treatment area.

Features

- Features a beeper

- Small outline just 3.00 x 4.00 x 1.38 in. / 76.20 x 101.60 x 35.05 mm

- Powered by USB connection

- CE and FCC Standard

- RoHS Compliant

Theory of Operation

The reader generates a 125 kHz inductive field and extends 50-100mm distance beyond the reader module. When a card or keyfob is placed within the area of the reader module, it draws power from this field and providing the field is of sufficient strength the internal microcircuits contained in the card or keyfob begin to function. Data is transferred from the card or keyfob by means of amplitude modulation.

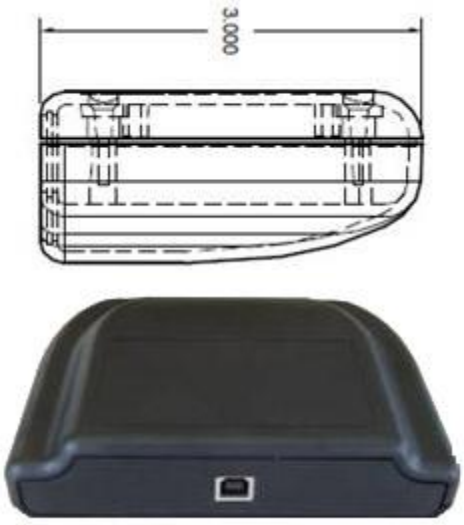
Testing and Connecting:

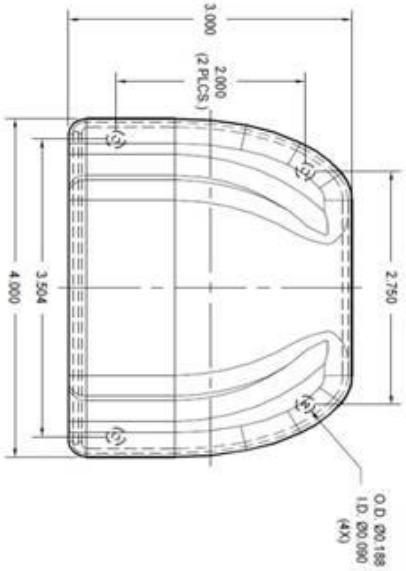
The reader is connected to a host PC via USB cable.

The USB model connects directly to USB port and sends as keystrokes.

No drivers needed for Windows XP, Vista, 7 or 8 applications.

Specifications





Read range: 10-100 mm
Dimensions (L x W x H) (in / mm)
3.00 x 4.00 x 1.38 in. / 76.20 x 101.60 x 35.05 mm
Material: Flame Retardant ABS UL94-5VA
Power 5 VDC(4.5~5.5V); 55mA Max
Antenna integrated antenna
Operation temperature -20 to +60℃
Interface USB 2.0
Transmit Frequency: 125 kHz
Reader Reads any tag with EM41xx protocol
Transponder: Read Only

Compliance Information

FCC Compliance

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This device has been designed to operate with the antenna provided with it. This device is not designed to work with any other antennas.
To reduce radio interference to other users, the antenna type and its gain is chosen such that the equivalent isotropically radiated power (EIRP) is not more than permitted for successful communication.

Customer Support:
Atlas Support personnel are trained specifically on the Atlas Chiropractic Software. On occasion, they are able to assist with general computer support (networking, antivirus, configuration). Atlas recommends that issues outside of the scope of Atlas Support be directed to the appropriate Support professional. A qualified, onsite IT technician can provide you with the most accurate information to resolve your Technical Issues. Atlas Support may be able to assist your technician in resolving issues regarding your Operating System or System Maintenance, to help facilitate the proper function of Atlas.

FCC STATEMENT

1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference.

(2) This device must accept any interference received, including interference that may cause undesired operation.

CAUTION: 2. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

Reorient or relocate the receiving antenna.

Increase the separation between the equipment and receiver.

Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

Consult the dealer or an experienced radio/TV technician for help.