RFID for Security

Personnel and Vehicle access control,
Laptop anti-theft, Asset tracking,
Special patients in hospitals,
Several tags read at the same time,
Tags read in multiple positions,
Multiple-readers in zone,
Well-defined id. areas,
Invisible antennas,

WHO ARE YOUR VIPs?
for the comfort of the personnel and the standing of your company.

WHO ARE THE WORKERS?
for the security of your staff and your equipment - e.g. in dangerous areas.

WHO TAKES WHAT?
for the protection of your assets and your data.
**OPERATING PRINCIPLE**

The reading antenna emits a carrier wave at 2.45GHz without modulation.
This incident wave is reflected by the tag only - i.e. referred to passive mode:
- The tag life time is constant regardless of the number of read sequences
- The tags are identified at the same distance with regard to a same reference reader

**MAIN FEATURE**

- **SEMI PASSIVE TAG**
  - Long life
  - Credit card size
  - Tag encoding according to requirement

- **MULTI-IDENTIFICATION**
  - Several tags identified at the same time
  - Tracking & Antitheft

- **MULTI ENVIRONMENT**
  - Identification behind a windshield or inside the driver's pocket

- **MULTI-POSITION**
  - Identification in any position
  - Comfort

- **IMMUNITY**
  - Identification relatively insensitive to environment
  - Reliable operation

- **DIRECTIVITY**
  - Well-defined identification zone due to directive and small antennas

- **LONG RANGE**
  - Identification on from a few centimeters to over 10 meters (30 feet)
  - Comfort

- **MULTI-READER**
  - Parallel installations of several readers without RF interference

- **INSTALLATION**
  - Small size antennas
  - Invisible antenna
  - Prestige

- **INTERFACES**
  - ISO92 - CLOCK & DATA
  - WIEGAND 26 BITS - DATA 0 & DATA 1
  - RS232/422/485 - JBUS™ MODBUS™

**READER LINE**

<table>
<thead>
<tr>
<th>ANTENNA PATTERNS</th>
<th>0.5 - 1m (2-3 feet)</th>
<th>2m (6 feet)</th>
<th>3 - 4m (9-12 feet)</th>
<th>5 - 7m (15 - 20 feet)</th>
<th>8-10m (25 - 30 feet)</th>
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<tbody>
<tr>
<td>22° x 45°</td>
<td></td>
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<td></td>
<td>LML_4054</td>
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<td>LMB_6035</td>
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<td>LPR_3015</td>
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<td>LMB_6012</td>
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</tbody>
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