The ST25R3916/17 reader is a market leading high performance NFC/RFID HF reader solution offering unique features enhancing robustness and increasing performance. This allows operating the ST25R3916/17 in noisy environment without sacrificing performance. Additionally the ST25R3916/17 helps passing required certifications easier and faster than ever before. This allows minimizing the time required from the first concept until mass production of a product. ST25R3916/17 is fully compliant with ISO14443A/B, ISO15693, ISO18092, FeliCa and NFC Forum standards. Development kits based on STM32L4.
Device summary

<table>
<thead>
<tr>
<th>Part number</th>
<th>Mode</th>
<th>RF interface</th>
<th>Serial interface</th>
<th>Advanced features</th>
<th>Output power</th>
<th>Ambient Temperature Range</th>
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<tr>
<td>ST25R3916</td>
<td>Reader / Writer, P2P, Card Emulation</td>
<td>ISO14443A/B, ISO15693, FeliCa</td>
<td>SPI, PC</td>
<td>AAT, DPO, AWS, NSR, CIWU</td>
<td>1.6W</td>
<td>-40°C to +105°C</td>
<td>32-pin QFN (5x5 mm)</td>
<td>Point of Sales (EMVCo), Access Control, Gaming, IoT, Product configuration, Authentication, Traceability, Logistics, Industrial</td>
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</tbody>
</table>

Note:
- ATT: Automatic Antenna Tuning
- DPO: Dynamic Power Output
- AWS: Active Wave Shaping
- NSR: Noise Suppression Receiver
- CIWU: Capacitive & Inductive Wake-Up
- IWU: Inductive Wake-Up

Reference design kits

Eco-system

Support eco-system

e2e community
PC SW tools
MCU drivers (FW)
Documentation
Evaluation board

Technical support

The ST25R reader family offers a simple and cost-effective implementation. ST can provide supporting material for integrating the antenna into your application: application notes, reference designs, antenna computation tools, e-presentations and e-learning.

Visit www.st.com/st25r