



OMNIKEY® 4534 Mobile MultiTag

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| Description | <p>The OMNIKEY® 4534 Mobile is a contact less proximity read/write device that, with its multi frequency capability, supports most of the available 125kHz and 134.2kHz tags from different suppliers. The unit comes with a Compact Flash Type II Interface. It fits into CF card Type II slots and via an adapter also into PCMCIA Type II slots of any kind of mobile device. The module is easy and fast to be integrated into systems and applications. The built in boot-loader enables firmware field upgrades via the CF card interface.</p> | <ul style="list-style-type: none"> • Access Control • Time and Attendance • Authentication • Animal Identification • Process & Production Control • Logistics • Distribution & Supply Chain Management • Mobile Applications |
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|---------------------------------|-----------------------------------|------------------------|-------------------------|
| Product Code: | RDLP-0106P0-02 | | |
| RF Transmit Frequency | 125kHz / 134.2kHz | | |
| Supported Standards | ISO 11784, ISO 11785, ISO 18000-2 | | |
| Supported Tag-ICs | Hitag 1 | Q5 | TI-RFID Systems |
| | Hitag 2 | EM4X02 | 134.2 kHz: |
| | Hitag S | EM4X05 (ISO FDX B) | 64Bit R/O |
| | | EM4X50 | 64Bit R/W |
| | | | 1088Bit Multipage |
| Typical Read Time | 59ms Serial No. Hitag S | 66ms Serial No. EM4002 | 93ms Serial No. TI-RFID |
| | 30ms Serial No. Hitag 2 | 60ms Serial No. EM4005 | Systems 134.2 kHz |
| | 56ms Serial No. Q5 | 95ms Serial No. EM4050 | 64Bit R/O |
| Host Communication | Point-to-Point | | |
| Communications Interface | CF Card Type II | | |
| Communications Protocol | Specific ASCII or Binary Protocol | | |
| Communications Parameter | 9600 Bit/s to 115 kBit/s, 8, N,1 | | |
| Firmware Boot-Loader | Supported via CF Card Interface | | |

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23.07.2007- Page: 1 of 2

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| Product Code: | RDLP-0106P0-02 |
| S/W Driver | Virtual COM port No drivers needed for PDA applications, Driver for PCMCIA available (separate PCMCIA/CF Type II adapter required) DLL (C++) & Reader Utility available for Pocket PC 2002 & 2003 |
| Power Supply | 3.3VDC via CF Card Interface 5.0VDC via PCMCIA Interface (separate PCMCIA/CF Type II adapter required) |
| Power Consumption | 160mA @ Active Mode 20mA @ Antenna Off <1µA @ Power Down Mode |
| Reading distance | <70mm, depending on tag type and tag size |
| Antenna | Integrated |
| Size | (LxWxH) 52.0x42.8x8.9mm / 2.05x1.69x0.35Inch (LxWxH) 11.2x42.8x8.9mm / 0.44x1.69x0.35Inch for antenna only |
| Weight | 15g ± 10% / 0,03 lb ± 10% |
| Operating Temperature | 0°C to + 70°C / 32 F to +158 F |
| Storage Temperature | -40°C to + 85°C / -40 F to +185 F |
| Firmware Version | 1.0 |
| Approvals/Compliances | ETS 300-330, CE, FCC, RoHS |