SDiD™ 1020 RFID SD Card

Product Data Sheet

The SDiD™ 1020 is a Radio Frequency Identification (RFID) Secure Digital (SD) Card, designed to plug into any Personal Digital Assistant (PDA), Smartphone or other hand-held device with an SD slot. The SDiD™ card offers RFID read / write capabilities for portable terminals. Applications include reading and writing RFID tags for industries such as health-care, pharmaceutical, retail logistics and homeland security. The powerful SDiD™ offers a seamless management solution for real-time inventory, asset and document tracking. RFID tag information can be communicated in real-time to the enterprise database through mobile connections such as WiFi, Bluetooth, CDMA, GSM / GPRS or UMTS associated with the portable device.

Features

Radio Frequency Identification (RFID)

- ISO 15693 compliant
- ISO 14443A compliant
- Supports NXP I-CODE®
- Supports NXP I-CODE® SLI
- Supports NXP MIFARE®
- Supports NXP MIFARE DESFire®
- Supports Texas Instrument Tag-it™ HF-I
- Read, write and search RFID tags

Secure Digital (SD) Card

- SDIO complaint, version 1.10
- SD-1, SD-4, SPI mode
- Extended SD form factor

Integrated Antenna

- Compact and reliable design

Frequency

- 13.56 MHz HF Band

Supports most PDAs and Smartphones

- Terminals with SDIO enabled SD Card slots
- Microsoft Pocket PC 2002/2003 with SDIONow! or Windows Mobile 2003 with SDIONow! or Windows Mobile 5.0 or Windows Mobile 6.0
- Supports Palm OS® 4.1 and up

Read/Write Range

- ISO 15693: Up to 8.0 cm (3.2") depending on tag antenna configuration and environment
- ISO 14443A: Up to 6.0 cm (2.4") depending on tag antenna configuration and environment

Low Power Consumption (depending on host device)

- 170 mA (typical) active
- 30 mA (typical) idle
- 10mA (typical) standby
- 3.3V (typical) operation

LED Indicator

- Indication for standby search and data communications

WIRELESS DYNAMICS INC.
220, 1925 - 18th Avenue N.E. Calgary, AB, Canada T2E 7T8
Tel: (403)250-1818 Fax: (403)250-1777
www.wdi.ca www.sdid.com