Promi-SD101/202/205

Features

* Provides transparent RS232 serial cable replacement.
* Supports Bluetooth Serial Port Profile and Generic Access Profile.
* Interoperability with PDA, laptops etc.
* Working distance:
  Promi-SD101: Class 2, Nom. 30 meters,
    up to 300m using patch antenna
  Promi-SD202: Class 1, Nom. 100 meters,
    up to 1000m using patch antenna
  Promi-SD205: Class 1, Nom. 100 meters,
    up to 1000m using patch antenna
* Easy to use Windows configuration tool available.
* No external drivers required.

Promi-SD Series is a wireless serial adapter product line based on Bluetooth technology. Promi-SD Series enables RS232-based serial devices to communicate wirelessly throughout the range of 30m ~ 300m (Promi-SD101-Class 2) or 100m ~ 1000m (Promi-SD202/205-Class 1).
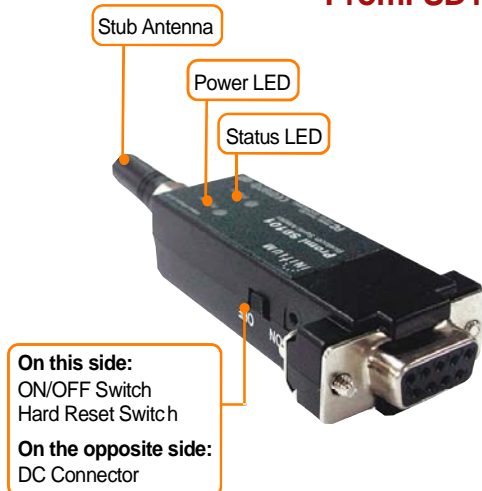
Users may configure the Promi-SD Series by using easy-to-use Windows-based utility software or by using standard AT command set.

Using the Promi-SD205's DIP-switch, user can simply configure Baud Rate and Hardware Flow Control settings of the Promi-SD205. Pairing-button enables 2 Promi-SD205's to connect automatically.

Their various power supply configurations allow users to choose which options suits them best, i.e. Power by DC power cable, Power by external DC adapter, Power by USB power cable, Power by pin 9 of DB9 connector.
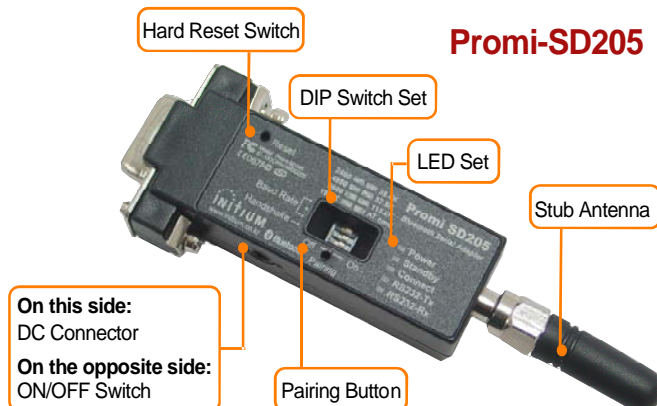
Typical application areas of the Promi-SD Series include:

* RS232 cable replacement   * Wireless Factory monitoring
* Truck/Bus monitoring system   * PLC programming
* Car Diagnostics   * Wireless Printing
* Wireless POS system   * Wireless logistics
* Wireless machine(healthcare/industrial) monitoring

Panel Layout

Promi-SD101/202

Stub Antenna
Power LED
Status LED

On this side:
ON/OFF Switch
Hard Reset Switch

On the opposite side:
DC Connector

Promi-SD205

Hard Reset Switch
DIP Switch Set
LED Set
Stub Antenna

On this side:
DC Connector

On the opposite side:
ON/OFF Switch

Pairing Button

SENA
www.sena.com

Specifications

Serial Interface:
* Promi-SD101:
  * RS232, Female DB9, 1200 to 115 Kbps
  * CTS/RTS flow control: Default
  * DTR/DSR is not available

* Promi-SD202/205:
  * RS232, Female DB9, 1200 to 230 Kbps
  * CTS/RTS flow control: Default
  * DTR/DSR for loop-back & full transfer

Bluetooth Interface:
* Promi-SD101 :
  * Bluetooth v1.1
  * Class 2
  * Level - 4 dBm
  * Protocols - RFCOMM, L2CAP, SDP
  * Profiles - General Access Profile, Serial Port Profile
  * Working distance
    Default Antenna - Default Antenna 30 meters
    Default Antenna - Dipole Antenna 50 meters
    Dipole Antenna - Dipole Antenna 80 meters
    Patch Antenna   - Dipole Antenna 150 meters
    Patch Antenna   - Patch Antenna 300 meters

* Promi-SD202/205 :
  * Bluetooth v1.1
  * Class I
  * Level - 18 dBm
  * Protocols - RFCOMM, L2CAP, SDP
  * Profiles - General Access Profile, Serial Port Profile
  * Working distance
    Default Antenna - Default Antenna 100 meters
    Default Antenna - Dipole Antenna 150 meters
    Dipole Antenna - Dipole Antenna 200 meters
    Patch Antenna   - Dipole Antenna 400 meters
    Patch Antenna   - Patch Antenna 1,000 meters

Configuration:
* PromiWin, PromiWizard
* Modem AT command set

Diagnostic LED:
* Promi-SD101/202 :
* Status and Power LED

* Promi-SD205 :
  * Power
  * Standby
  * Connect
  * RS232-Tx
  * RS232-Rx

Power:
* Promi-SD101 :
  * 5V, minimum 150mA
  * nominal power consumption of 35.3mA@9600bps and 40mA@115Kbps speed

* Promi-SD202/205 :
  * 5V~12V, minimum 150mA
  * nominal power consumption of 40mA@9600bps and 72mA@115Kbps speed

* Common Power supply options:
  * Power via a standard AC-plug DC-adapter
  * Power via USB power cable
  * Power via DC power cable
  * Power via pin 9 of DB9 connector

Environmental:
* Operating temperature:
  0 c to 50 c
* Storage temperature:
  -20 c to 66 c
* Humidity: 90% Non-condensing

Physical properties:
* Dimension (L x W x H)
  91x 31 x 16 (mm)
  3.8 x 1.2 x 0.6 (in.)

Certification:
* Bluetooth 1.1
* FCC , CE (Except for Promi-SD 205)

Warranty:
* 1-year limited warranty

Ordering Information

SD101   Promi-SD101 Serial-Bluetooth Adapter-Class 2 with internal rechargeable battery
SD202   Promi-SD202 Serial-Bluetooth Adapter-Class 1
SD205   Promi-SD205 Serial-Bluetooth Adapter-Class 1-DIP

Single Pack Includes :

* *DPA : Promi-DPA DC power cable for SD series*
* *UPA : Promi-UPA USB Power Cable*
* *SAT : Promi-SAT Stub Antenna-SMA Male-Left Handed*
* *OPA : Promi-OPA External Power Adaptor-International - 4 types: EU, America, UK, Australia or*
  EPA : Promi-EPA External Power Adaptor-220V
* *CD-ROM*

10-Unit Bulk Pack Includes :

* *SAT : Promi-SAT Stub Antenna-SMA Male-Left Handed*
* *DPA : Promi-DPA DC power cable for SD series*

Optional Accessories :
* *UPA : Promi-UPA USB Power Cable*
* *OPA : Promi-OPA External Power Adaptor-International - 4 types: EU, America, UK, Australia OR*
  EPA : Promi-EPA External Power Adaptor-220V
* *SPC : Promi-SPC Serial Power Cable + Power Adapter*
* *DAT : Promi-DAT Dipole Antenna-SMA Male-Left Handed*
* *PAT : Promi-PAT Patch Antenna-SMA R/A Female-Right Handed*
* *RFC : Promi-RFC 1m Antenna Extension Cable for all antennas*
* *CD-ROM*

For more information, please visit us at
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