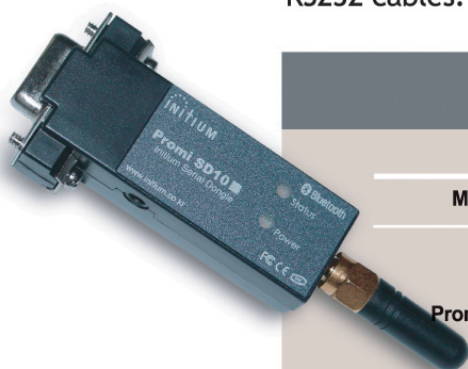


Enabling Wireless Serial Communications

Promi-SD™

Promi-SD™, is developed for long range, easy-to-install, low-cost, wireless serial communications. Provided is point-to-point wireless connection without standard RS232 cables.



Model Name	Part No.	Spec.
Promi-SD 101	PSD00-10100	Class 2 / Output Power: 2.5mW (4dBm) 5V DC power supply Rechargeable Li-poly Battery, internal w/ Power Adapter w/ Setup Software & manual on CD
Promi-SD 102	PSD00-10200	Class 2 / Output Power: 2.5mW (4dBm) 5V/12V DC power supply w/o Battery & Power Adapter w/ Setup Software & manual on CD w/ USB Power Cable & DC Power Cable (Optional: 5V Power Adapter)
Promi-SD 202	PSD00-20200	Class 1 / Output Power: 63mW (18dBm) 5V DC power supply w/o Battery & Power Adapter w/ Setup Software & manual on CD w/ USB Power Cable & DC Power Cable (Optional: 5V Power Adapter)

Power Supply

Power may be supplied by following ways:

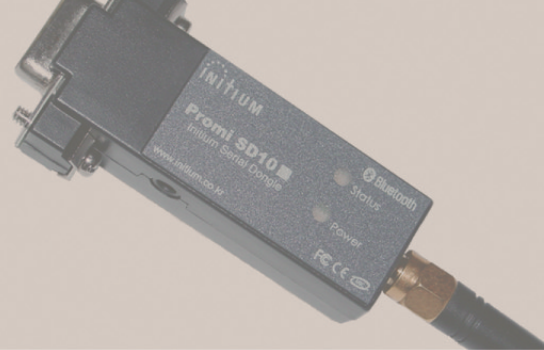
- Power via a standard AC-plug DC-adapter (p/n: PSD00-00010)
- Power via USB power cable (p/n: PSD00-00020)
- Power via DC power cable (p/n: PSD00-00030)
- Power via pin 9 of D-SUB connector.

Current Consumption

Condition of Baud Rate	Current Consumption (Promi-SD101/102/202)	Battery Life (Promi-SD101)
9600bps	35.3 mA	5 hrs 20 min
115200bps	40 mA	4 hrs 30 min

Bluetooth Interface

Bluetooth Specification	V 1.1
Level	4 dBm (Promi-SD101/102) 18 dBm (Promi-SD202)
Range	~30m (Promi-SD101/102) ~100m(Promi-SD202)
Bluetooth Protocols	RFCOMM, L2CAP, SDP
Supported Profiles	General Access Profile Serial Port Profile



Promi-SD™



Configuration

- By configuration software PromiWIN™
- By AT commands

Environmental

- **Model No. : Promi-SD101/102**
Recommended operating conditions: -10°C~70°C
Humidity : 90% Non-condensing
- **Model No. : Promi-SD202**
Recommended operating conditions: -20°C~70°C
Humidity : 90% Non-condensing

Serial Interface

- **Model No. : Promi-SD101/102/202**
RS232, Female DSUB-9, 1200~115200 baud,
CTS/RTS flow control or no flow control

Automatic Detection Feature of Hardware flow control

Maximum distance between Promi-SD™s

In open space, maximum distances between two Promi-SD units were tested using different types of Optional Antennas. Users may extend wireless link distance up to 1.2Km via Promi-SD202 with Patch Antennas for both sides.

Model Name	Antennas for two Promi-SD units	Max. Distance
Promi-SD101 Promi-SD102	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	Default Antenna - Default Antenna	120 meters
	Default Antenna - Dipole Antenna	150 meters
	Dipole Antenna - Dipole Antenna	200 meters
	Patch Antenna - Dipole Antenna	400 meters
	Patch Antenna - Patch Antenna	1,200 meters

Optional Antennas



(1) Dipole Antenna
Part No. : PSD00-00050
20dBi
Connector : SMA
Size : 10cm



(2) Patch Antenna
(w/ RF extension cable & anchor support)
Part No. : PSD00-00060