

## Serial Port Plug - F2M01SXA Datasheet

### Features

- Provides transparent RS-232 serial cable replacement.
- No need for external drivers.
- Power is supplied via the D-SUB or mini-USB connector.
- Supports the following Bluetooth® profiles: SPP, DUN, GAP, HCI.
- Interoperability with PDA, laptops etc.
- Range up to 300 m (line of sight).
- Configurable serial settings.
- Easy to use Configuration software available.
- Small size 36x17x60 (WxHxL) mm.
- High supply voltage range 5-30V DC.
- Simple pairing with onboard button.
- Led indications for power, data and status monitoring.
- Additional RS-232 lines for enhanced signaling.



F2M01SXA

### Applications

The F2M01SXA Serial Port Plug can be connected to applications that currently use cables for serial communication. The F2M01SXA is also ideal if you are looking for a reliable and robust wireless link between any RS-232 enabled devices. The Ad-Hoc connectivity will connect the serial link as soon as the communicating devices are within range of each other.

Examples of possible applications are:

- Embedded systems
- Stand alone sensors
- Computer peripherals
- Domestic and industrial appliances

### General Description

The F2M01SXA offers an intuitive serial cable replacement by using a wireless link, based on Bluetooth® technology.

With its small size, long range, high voltage range and reliable data transmission, the F2M01SXA is the obvious choice for the most demanding wireless applications.

No external drivers are needed, and pairing to another Bluetooth® device is as easy as pressing a button. Two LEDs are used to monitor the current status of the device and if any data transmission are present. The device uses a fault detection system indication if an invalid RS232 device is attached to the F2M01SXA. A user-friendly Windows application is available for configuration to suit Your requirements.

The F2M01SXA can be used together with other Bluetooth® units supporting the Bluetooth® Serial Port Profile (SPP), Dial Up Networking (DUN) and HCI, e.g. Laptops, PDA and mobile phones.



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### Hardware specification

Physical size: 37x17x60 (WxHxL) mm  
Voltage range: 5-30V DC (regulated)  
Current consumption (max): 300mA  
Temperature range: -40°C to +85°C  
Baud rate: Configurable up to 230400 baud/s

### Certifications

The F2M01SXA is certified according to CE and FCC regulations and is fully Bluetooth® qualified as an end product

#### Bluetooth®

F2M01SXA Bluetooth® 2.0+EDR qualified.  
**QDID: B012540**

#### CE

F2M01SXA complies with the requirements of R&TTE Directive 1999/5/CE, the European Community Directive 73/23/EEC and 93/68/EEC.

- EN 300 328 (2006-10)
- EN 301 489-1 (2005-09), EN 301 489-17 (2008-08)
- EN 62311 (2008)
- EN 60950 (2006)

#### FCC ID: R47F2M01SX

## Serial Port Plug - F2M01SXA Datasheet

### Ordering information

The F2M01SXA Serial Port Plug is available for ordering.

Part nr:	Description
F2M01SXA-S01-C	Serial Port Plug, CD with documentation and software, USB-A to Mini-USB cable delivered in a carton <b>(available in January 2009)</b>
F2M01SXA-S01-B	Serial Port Plug, Bulk delivery

#### Default settings at delivery for F2M01SXA-S01

Feature	Description
Role	Endpoint (slave) accepting all units to connect
Security	None
Baud rate	38400bit/s
Parity	None
Stop bits	1
Flow control	On
Green LED indication	Blinking
Blue LED indication	On
DTR and DSR signaling	Off

### Contact information

For support questions please contact your local dealer

For more information visit our website: [www.free2move.net](http://www.free2move.net)

For other purposes use: [info@free2move.net](mailto:info@free2move.net)

Local dealer/distributor



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