

## Reliable data transmission in tough environments – TinyOne Pro IP67

**One RF Technology, a company focused on the design and development of innovative and reliable radio solutions for wireless data transmission systems, introduces a new radio modem for tough environments and weather conditions. The TinyOne Pro IP67 radio modem includes a 500 mW radio module with advanced embedded firmware, metal casing and a quarter wave antenna. The TinyOne Pro IP67 radio modem is optimal for i.e. irrigation applications. It will be available in the license free 868 MHz and 915 MHz ISM frequency bands.**

After introducing the TinyOne Pro OEM RF module earlier this year, One RF Technology now introduces the TinyOne Pro IP67 radio modem. The 500 mW modem includes a powerful embedded firmware with multiple protocol modes such 'low power mode', and it supports mesh networking. With a reinforced hard metal casing, the modem is designed especially for tough environments. The 500 mW modem is capable of transmitting data up to 4.000 m with a -100 dBm sensitivity. Together with the company's PowerOne IP67 radio modem, the TinyOne Pro IP67 is an ideal radio modem for outdoor applications such as irrigation, urban traffic control or urban display control.

TinyOne Pro radio modem connects to a 6-40 V power supply and it supports RS232, RS422 and RS485 serial interfaces. The small size of the modem, 100x62x40 mm without antenna or 180x62x40 mm with antenna, ensures that the modem easily blends in into different environments.

One of the advanced features of the TinyOne Pro IP67 radio modem is that it is fully configurable over the air (DOTA), allowing a convenient possibility to upgrade the communications protocol used. Compatible with the new TinyOne Plus module, the modem offers the customers a possibility to build 'back bone' type RF networks, i.e. for transmitting agricultural sensor data to a central database.

The TinyOne Pro IP67 radio modem will be available for purchase in Q4-2006.

All the TinyOne Pro products are also available in 915 MHz version for the US market in 2007.

More information on the TinyOne Pro 868 MHz radio modem can be found on [www.one-rf.com/en/m868mc-tinypro40.html](http://www.one-rf.com/en/m868mc-tinypro40.html).

About One RF Technology ([www.one-rf.com](http://www.one-rf.com))

One RF Technology is a high-tech company focused on designing and developing innovative and reliable radio solutions for data transmission systems. The company has its headquarters in Sophia Antipolis (France), a Branch office in Villach (Austria) and multiple distributors around Europe. One RF Technology offers its customers a wide range of OEM RF modules and radio modem that can be operated in the license free 433 MHz, 868 MHz, 915 MHz and 2.4 GHz ISM frequency bands. Moreover, the company offers a custom RF design service – from concept to manufacturing – to design radio solution on behalf of its customers. One RF Technology is a member of the ZigBee Alliance and it is currently focusing on developing its ZigBee solution.

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