



vibby LEAF.



vitalbase

MULTI INTERFACE IOT GATEWAY



A NEW GENERATION GATEWAY FOR IMPROVING
THE CONNECTIVITY BETWEEN YOUR DEVICES.

THE VIBBY LEAF :

- › **The Vibby LEAF** is an ISM 868Mhz Transceiver designed to connect different peripherals such as **Vibby OAK Fall Detector**, Smoke sensor or others to a host terminal using standard **simple** protocols.
- › In its standard configuration, **the Vibby LEAF** is configured to use the **proprietary VitalBase RF Protocol** and a **simple ASCII host protocol**.
Other custom protocols can be implemented on demand.
- › Due to its small and compact enclosure, **the Vibby LEAF** can be installed as a **desktop device**, wall mounting device or **integrated into walls, ceiling or bedheads**.
Thanks to its numerous **standard connectors**, it is **easy to plug and install**.

WITH VIBBY LEAF
CREATE INNOVATIVE IOT
APPLICATION AND INTEGRATE
all **radio devices** to your existing installed
base.



OUR SOLUTION :

VitalBase developed a range of connected objects and intelligent solutions for the protection of vulnerable individuals.

The Vibby LEAF is an ISM transceiver designed to connect all peripherals;

At home or in health facilities you can connect all of your devices on the ISM radio band.

With its extensive connectivity, Vibby LEAF offers the possibility to create a lot of innovative applications (home applications, upgrade nurse call systems, etc...)



www.vitalbase.co.uk A division of Telecom Design Copyright© 2016

TECHNICAL FEATURES



	USB VERSION	SERIAL VERSION
Connection Interface	Standard virtual COM port (USB "CDC/ACM" class) No driver required (a setup file is necessary for Windows OS, though) Wifi 2.4 ghz, a, b, g available in Option	RS232 / RS485 UART LVTTTL (3.3V) Dry Contacts (C Form: CO/NO/NC) 8V to 24V DC power supply Wifi 2.4 ghz, a, b, g available in Option
User Interface	User button, Reset button, Power led, Data led	
Operating systems	Compliant with Windows 9x, NT, Vista, XP, 7, 8... Linux>.6, Mac OS	
Radio	Vibby LEAF is equipped with high performances TD1208 radio chip Module. The combination of a powerful radio transceiver and a state-of-the-art ARM Cortex M3 baseband processor achieves extremely high performance while maintaining ultra-low active and standby current consumption. Frequency : 869 MHz (ISM Band) Compliant with European radio standard EN300-220, class1 Internal antenna External antenna with SMA connector	
Power	Current Supply : < 35 mA Supply Voltage : 4.2V to 5.5V DC (USB bus powered)	Current Supply : < 50 mA Supply Voltage : 6V up to 12V DC (using the supplied universal wall-plug RJ45 connector)
Environnement	Storage temperature : -40°C to +85°C Operating temperature : 0°C to +55°C	
Dimensions	Vibby LEAF : 3.0" x 3.0" x 1.0" - 7,62 cm x 7,62 cm x 2,54 cm SMA antenna : 196 mm - Ø 13 mm	