



EDM Module User Manual

Ubiik's End Device Module is a Low-Power Long Range module with a full Weightless protocol stack up to the AT command interface. The module is an easy to use, low-power solution for long range bidirectional wireless communication of data, Suitable for IoT devices.

Product Model Name	UX8125-M42F
Dimension	28 mm * 13 mm
Weight	2g
Operation Frequency	902~928MHz
Host Interface	AT Command interface over UART
Modulation	GMSK
Single Operation Voltage	3.3V~3.45V
Operation Temperature	-40°C~85°C
Receiver Sensitivity	-120 dBm @6.25kbps
Transmit Power	Max. 26dBm



Warning

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/ TV technician for help.

Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This transmitter module is authorized only for use in device where the antenna may be installed such that 20 cm may be maintained between the antenna and users. The final end product must be labeled in a visible area with the following: "Contains FCC ID: 2AXTDUX8125-M42F".

*Information for the OEMs and Integrators :

This device is intended only for OEM integrators under the following conditions : The module can be used to installation in other host.

The transmitter module may not be collocated with any other transmit or antenna. The module shall be only used with the integral antenna(s) that has been originally tested and certified with this module. As long as 2 conditions above are met, further transmitter test will not be required. However, the OEM integrator is still responsible for testing their end-product for any additional compliance requirement with this module installed (for example, digital device emission, PC peripheral requirements, etc.)

The final end product must be labeled in a visible area with the following: "Contains FCC ID: 2AXTDUX8125-M42F". The equipment complies with FCC RF exposure limits set forth for an uncontrolled environment. The equipment must not be co-located or operating in conjunction with any other antenna or transmitter.