

## Superiority of Crossbow IRIS Motes over the MICAz Motes

The IRIS mote is the next-generation low-power mote platform. It is the culmination of two years of R&D effort by Crossbow. This product provides customers with three times the radio range at half the power consumption. The IRIS features a wider coverage area and is optimized for richer applications with twice the program memory of previous products.

The IRIS Platform is superior to the existing MICAz Platform in several aspects as detailed below:

1. The range of the IRIS is >300m outdoors while the MICAz range is approximately 100m.
2. The IRIS provides 8K bytes of RAM while the MICAz provides 4K bytes.
3. The current draw of the IRIS in Sleep mode is 8uA while the MICAz is approximately 15uA.
4. The IRIS uses the Atmel 1281 while the MICAz uses the Atmel 128L