Basic features that most implementations of BEEP claim the following:

- Portability

- Object Oriented Design

- Robustness and stability

- High Performance

- Multi-threaded

In essence BEEP is another message passing, and general communication protocol at the . BEEP is a layer that can be used to implement XML-RPC, NSPorts, SOAP, MPI and other service libraries. Like other web type protocols, TLS/SSL security is available. However, the XGrid implementation makes no mention of it except in its API framework.