AN-100UX Overview

REDMAX™ AN-100UX

The RedMAX Macro Base Station (AN-100UX + HTB) is an industry leading high powered broadband wireless solution capable of extending both capacity and range in the delivery of high bandwidth voice, video and data transfer services and applications. The AN-100UX is designed in compliance to the IEEE standards for WiMAX to be fully interoperable with a range of WiMAX Forum Certified™ devices and meet the high standards for capacity and performance.

The RedMAX AN-100UX is easy and economical to deploy and enables the rapid provisioning of new services by services providers. Its low latency ensures reliable delivery of delay-sensitive services, including circuit-switched voice traffic, voiceover-Internet Protocol (VoIP), video and prioritized data traffic. New subscribers can be provisioned dynamically with no downtime for existing users, and existing subscribers can have their service level agreements adjusted dynamically.

This carrier-class, base station unit provides a scalable, high-capacity solution for any WiMAX access network. Up to six RedMAX AN-100UX units can be co-located to form multi-sector cell deployments, with up to six 60 degrees sectors. Each will support up to 512 users, for a capacity of more than 3000 per base station.

The RedMAX AN-100UX also includes a GPS time synchronization feature which facilitates tight frequency reuse to make the most efficient use of available spectrum and channels, and allowing deployment in areas where there are other Time Division Duplexing (TDD) radios operating in close proximity.

The RedMAX AN-100UX is fully upgradeable in the field by software download, to accommodate future enhancements such as IPv6 support, scalability, additional classifiers, alternative encryption standards, and continued development of the 802.16 standard. Adherence to stringent carrier-class NEBS Level 3 design requirements provide high reliability for mission critical deployments.

As with each of Redline's products, the RedMAX AN-100UX Base Station addresses all of the relevant access frequency bands with ease and flexibility.