

Airvenue System

Airvenue system is a Mobile Broadband Wireless Access System based on SDMA/TDMA-TDD technologies and designed for telecom carriers who would like to provide high quality wireless broadband internet access service with limited resource of frequency.

Airvenue system has been standardized in ANSI as HC-SDMA since September, 2005, in ITU-R as M.1801 since March, 2007.

General operational band for Airvenue is 1785-1805MHz or 1900MHz-1920MHz, and only requires 5MHz bandwidth for operation because of its high spectral efficiency.

With this bandwidth, Airvenue provides up to 24Mbps data throughput per Base Station or 1Mbps per user data access (downlink) for up to 24 concurrent users with mobility and competitive price.

Its simple system architecture also makes installation easy and flexible

Airvenue system has been deployed in 11 countries by 12 operators in the world.

Several kinds of user terminal are available to satisfy various application requirement of end-customers, such as card type, desktop type, USB type terminals.

For VoIP application, SIP phone type terminals are available for use.



Outstanding Features

High Data Rate

System capacity 24.4Mbps downlink/ 7.9 Mbps uplink
Data Rate of 1.061Mbps downlink/ 346Kbps uplink

High Spectral Efficiency

3.4 bit/sec/Hz/cell (WIBRO 802.16e: 1.5 bit/sec/Hz/cell)

Wide Area Coverage

Up to 12.75km using 1.79 GHz or 1.9 GHz (40% greater than WiMax)

Good non-line-of-sight indoor penetration

Mobility

Support user in motion at speed greater than 100 km/hour and seamless handover between Base Stations

Easy Interface to IP Network

All IP based simple network of Airvenue enables substantial reduction of network investment

VoIP Compatibility

QoS is implemented to ensure high quality wireless VoIP telephony

OVERALL LOW COST OF OWNERSHIP

www.qiiq.com

www.airvenue.com

www.ecocarrier.com

www.hotspoteer.net

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