

It also supports 2 x 1 MIMO (Multiple Input, Multiple Output) which can either improve speeds, increase range and reduce interference, whilst OFDMA is a multiple-access method which allows for simultaneous transmissions to and from several users and several more advantages – for example sub-channelisation gain, loading gain, more efficient scheduling, and a frequency reuse factor of one.

It incorporates IPv6 (Internet Protocol version 6) and IPv4 Enhanced Multicasting Support which enables the transmission of a single copy of a multi-cast video stream to multiple users, which saves on costly bandwidth. A traditional off-the-shelf WiFi access-point router would throttle multi-cast traffic to a base rate of 1 Mbps, which results in poor quality video viewing, especially when there are multiple simultaneous viewers, each of whom receives a separate video stream. IPv6 voice-over-IP mobility ensures seamless handoff as the user moves between the coverage of different base stations

It also has a 10/100 Base-T RJ-45 port for connection to ADSL, HSPA or other technology modems as the backhaul.

The WiWi access point is made and marketed by Penang-based CEEDTec, MIMOS' first technology recipient, which has received an order for 100,000 units. CEEDTec's CT730 router platform based on MIMOS' Gen 1.5 technology platform was chosen for use in a nationwide UK WiMAX/WiFi network due to be deployed this third quarter. CEEDTec had collaborated with WDSI International and Meshhopper Wireless Networks on this deployment. MIMOS presented CEEDTec managing director, Heng Fook Main with special recognition award.

As a frontier technology researcher and developer, MIMOS does not sell these products directly but offers to transfer the technology to recipients which qualify.



The three WiMAX operators, MIMOS, Deputy Minister Hj. Fadillah and CEEDTec with the WiWi platform

MIMOS WiWi Technology Platforms at their existing sites.

CEEDTech's Heng Fook Main (right) receives MIMOS award from Deputy Minister Haji Fadillah At the same time, MIMOS exchanged collaboration agreements with three of hoursicle 0.02 La Wild Wild Stresson

At the same time, MiNOS exchanged collaboration agreements with three of Malaysia's 2.3GHz WiMAX licensees – namely REDtone International, Packet One Networks Malaysia (P1) and Asiaspace.

The three will use the WiWi access point to extend the coverage of their broadband services, to promote the potential of broadband technology to help transform societies in line with the governments broadband's vision, to develop IT solutions which will enable affordable access to information and to deploy

"For a long time now, Malaysian operators have had to rely on imported equipment and believe me, is something is wrong, it's a nightmare to get the overseas supplier to resolve the problem but now with a home-grown product built and made here, we can more easily work with CEEDTec to solve any problems which may arise," said Datuk Abdul Ghani Abdullah, chairman of Asiaspace.

"The WiWi routers will enhance the deployment of our WiMAX service in Sabah and Sarawak," said Zainal Amanshah, REDtone chief executive officer. "With today's launch of MIMOS WiWi, we've achieved another milestone in positioning Malaysia as a key regional and global WiMAX hub," said Michael Lai, Packet One chief executive officer.

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