



MiMOMax Wireless Limited

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MiMOMax Wireless Exhibits at UTC 2010

MiMOMax Wireless will be exhibiting at the UTC Expo 2010, which is being held in Indianapolis this coming May.

The team are looking forward using the Expo as an opportunity not only to increase presence in the US markets, but also to network with potential customers and dealers, and explore new technologies within the market.

UTC TELECOM 2010
INDIANAPOLIS

NEW NOTEWORTHY MiMOMax PRODUCT FEATURES!

[MiMOMax Routing Adaptation
Protocols \(M-RAP\)](#)

[MiMOMax Data Acceleration
Protocols \(M-DAP\)](#)

[MiMOMax 4 Wire Audio 6 Channel
Network Interface Box \(4WA\)](#)

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Dear Customer,

With the new year well underway and off to a busy start, the MiMOMax Team warmly invites you to read through the first e-Newsletter of twenty ten.

Updates include simply a few of many, current and forthcoming technical developments and corporate events.

MiMOMax "Power OnDemand" Link

For supporting remote sites, which may be solar powered, or where power consumption may be a problem, the MiMOMax Wireless Team have developed an innovative (and we believe unique) solution new feature - "Power OnDemand" Link.

The MiMOMax "Power OnDemand" Link (M-PoD) was designed specifically for the low latency and spectrally efficient Network Digital Link (NDL). The M-PoD Link is able to significantly save power consumption, by automatically and rapidly turning the remote end of a link's transmitter on and off, depending on the "demand" for over the air traffic.

The establishment time is typically less than 100ms. Data is also buffered during transmission, to ensure that none is lost during this turn on transition.

A programmable turn off time ensures that all data, including any re-transmissions, are processed, before the link goes back to the idle mode, preventing the link from having to restart between "overs".

Both IP data and Network Interface Box (NIB) data (including Analogue and RS 232) at either end will prompt the link to activate. When the link is not in use, the link power consumption is reduced to less than 10Watts (typically 8Watts depending on options).

An alternative M-PoD Link configuration option is available for cascaded links. This option is applied where a cascaded link is alerted when its preceding link is keyed up. By the time the data reaches the preceding link, there is typically only 20ms additional link establishment time, before the cascaded link is ready to transmit data.

Some benefits of the M-PoD Include:

*Significant power savings for solar sites
Substantially lowering overall system costs
Environmentally friendly
Very low link establishment time for cascaded links*



For more information on the M-PoD, [click here](#).

2-Channel X.21 Mux Adapter

MiMOMax Wireless is currently offering a 2-Channel X.21 Mux Adapter (Mux). The Mux is a small adapter box, which can either be mounted adjacent to a 19 inch Rack Mount, or remotely for the Pole or Wall Top Mount as required.

Functionally, the Mux provides 2 x X.21 interfaces over a single radio mount, each operated at 64kb/s in Full-Duplex Mode. An identical Mux is required at each end of the radio link.

Missed an e-Newsletter?

To view past MiMOMax e-newsletters, [click here](#)

MiMOMax Wireless' Data "Re-Send" Protocol

MiMOMax Wireless has now introduced a new and smart data "Re-Send protocol", a software feature developed for the MiMOMax Point-to-Multipoint Digital Link (MDL) radio system.

The Re-Send protocol is designed to mitigate data corruption due to collisions, by requesting information to be re-sent from a Remote Radio Units (RRU), when the Base Radio Unit (BRU) senses data loss. When Data Re-Send is requested, the RRU re-transmits the first three data frames (the only frames which have potential contention), to ensure there is no data lost.

