

XetaWave has developed an innovative version of Time Division Multiple Access (TDMA) - Multi-Speed TDMA. As with all TDMA schemes it enables the enforcement of timing schedules based on the movement of data. Unlike most TDMA schemes, XetaWave allows a *single* radio to have multiple logical data channels with different speeds. This allows for the prioritization/trade off of reliability versus speed : higher reliability -> longer distance -> less speed; whereas faster data transfer -> less distance -> less reliability. A single XetaWave radio can combine a channel with command and control data at 115 Kbps for long range communication with another channel for high speed complex modulations to support local video. This same radio module allows data and audio both ways, if needed.



Module: 2.0" x 1.4" x 0.37" & 0.5 lbs

XetaWave is the only provider within the industry offering "Multi-Speed" TDMA, and is also the only known supplier featuring 225MHz to 380MHz within a *single* module.



Enclosed version

Two Applications Within a Single Radio Module

With XetaWave's Multi-Speed TDMA, a UAV can have a long range high reliability command and control link AND a similar long range high reliability telemetry link. The downlink logical channel can be transmitted to many possible ground stations, and ground stations can trade control of the C2 logical channel. If your application is UGV, one or two more logical channels can be added to transport audio either or both directions, again with one to many ground control stations.

Additional features of XetaWave's Multi-Speed TDMA:

- Multi-thousand player support for soldier training systems
- GPS, RF, or Master supplied sync or a combination
- No forced frame casings
- Each RF block is programmable for transmit, receive, idle, sleep and acknowledgement
- One to a few command and control points with many video/data points

Multiple Frequency Support

XetaWave's Multi-Speed TDMA is offered on *all* XetaWave radios and form factors (enclosed, board level, module). XetaWave offers the broadest range of frequencies available on the market, both licensed and unlicensed.

Additional Information

Additional information on all XetaWave products is available at www.xetawave.com.