

GENERAL DYNAMICS
Itronix

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Celltech Compliance Testing Lab
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Radio Device Management in the General Dynamics Itronix IX750 Handheld Computer

The General Dynamics Itronix IX750 rugged handheld computer (market name "MR1") is offered with multiple data radio options. The IX750 is capable of having both an 802.11abg wireless LAN and a cellular wireless wide-area data radio installed in the same unit. Note that we configure all cellular WWAN radios as data-only (no voice) for our North American market.

The General Dynamics Itronix IX750 operating system software is Microsoft Windows XP. Both the WLAN and WWAN radio devices are managed by the operating system as network interface cards. Microsoft Windows XP dynamically monitors the network connections through software "media sense". When more than one network path is available, the operating system selects the fastest network connection to transmit and receive data for any application session. As a result, only one wireless device will transmit at any given time – until that connection is dropped or a faster network path becomes available.

Sincerely,



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