



TOTALFLOW[®]
Technical Bulletin 55
**Third Party Equipment
Supported**

Totalflow Technical Bulletin

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Third Party Equipment Supported

1. Purpose:

To document what equipment has been documented and tested by our support staff. We constantly look for new products which can be used with the Totalflow system to enhance and/or compliment our offering.

2. Product Listing:

Radio Communications Equipment

<i>Manufacturer</i>	<i>Model Number</i>	<i>Description</i>	<i>Comments</i>
Microwave Data Systems (MDS)	MDS-1000 without modem, 1200 baud, 2400 baud and 4800 baud modem support. Also support using transceiver with AAI supplied UCI.	928-960 Mhz transceiver	Can support 9600 baud modems if customer continually powers receiver No longer manufactured by MDS
Microwave Data Systems (MDS)	MDS-1000u without modem, 1200 baud, 2400 baud and 4800 baud modem support. Also support using transceiver with AAI supplied UCI.	928-960 Mhz transceiver	Smart 1000, allows for frequency modification by user
Microwave Data Systems (MDS)	MDS-2310 without modem, 1200 baud, 2400 baud and 4800 baud modem support. Also support using transceiver with AAI supplied UCI.	928-960 Mhz transceiver	Smart transceiver, allows for frequency modification by user. Has been replaced by MDS-2311
Microwave Data Systems (MDS)	MDS-2311 without modem, 1200 baud, 2400 baud and 4800 baud modem support. Also support using transceiver with AAI supplied UCI.	928-960 Mhz transceiver	Smart transceiver, allows for frequency modification by user.



<i>Manufacturer</i>	<i>Model Number</i>	<i>Description</i>	<i>Comments</i>
Microwave Data Systems (MDS)	MDS-4310 without modem, 1200 baud, 2400 baud and 4800 baud modem support. Also support using transceiver with AAI supplied UCI.	400 Mhz transceiver	Smart transceiver, allows for frequency modification by user.
Microwave Data Systems (MDS)	MDS-9310 with 4800 baud modem support. Also support using radio with AAI supplied UCI.	902-928 Mhz	Spread spectrum transceiver. Unlicensed operation
E.F. Johnson	Model 3410 with 1200 baud modem support. Also support using transceiver with AAI supplied UCI.	450-470 Mhz	Crystal radio. Have been replaced by newer models.
E.F. Johnson	Model 3420 with 1200 baud modem support. Also support using transceiver with AAI supplied UCI.	132-174 Mhz	Crystal radio. Have been replaced by newer models.
E.F. Johnson	Model 3490 with 1200 baud modem support. Also support using transceiver with AAI supplied UCI.	928-960 Mhz	Crystal radio. Have been replaced by newer models.
Motorola	Model Rnet with 9600 baud internal modem support. Also support using transceiver with AAI supplied UCI	138-174, 403-430, 450-470 Mhz	Crystal radio with optional internal modem which can span from 1200-9600 baud
Metricom	Spread spectrum technology using multi-layer store and forward protocol	902-928 Mhz	System must be engineered by AAI project staff. Special collating software required at host end to ensure proper packet assembly.
Airlink Raven(Novatel modem)	Cellular Digital Packet Data (CDPD) technology using Novatel modem packaged by Airlink Corp.	824-894 Mhz	Technology uses the either the Internet (TCPIP) or (UDP) protocol. Each radio is assigned an IP address.



Cellular Communications Equipment

<i>Manufacturer</i>	<i>Model Number</i>	<i>Description</i>	<i>Comments</i>
Motorola	CTM 2400 Cellular transceiver with internal 2400 baud modem	824-894 Mhz	Because of the power consumption, power system must be sized appropriately or used with FCU's power scheduler firmware.

Dial-Up Modem Equipment (Remote Site)

<i>Manufacturer</i>	<i>Model Number</i>	<i>Description</i>	<i>Comments</i>
Datel with Cermetek modem chip	Both 2400 and 9600 baud Cermetek modules are available	Dial-Up Modem	

Host Dial-Up Modem Equipment

<i>Manufacturer</i>	<i>Model Number</i>	<i>Description</i>	<i>Comments</i>
Hayes	Accura 144 (5105 AM)	Hayes Desktop fax modem	May not be able to purchase this option anymore.
Hayes	Accura 144 (5300 AM)	Hayes Desktop fax modem	May not be able to purchase this option anymore.
* U.S. Robotics	U.S. Robotics Courier V.Everything	desktop Modem (56K baud capable)	May have to load latest flash upgrade from U.S. Robotics Internet Home page to work with Totalflow equipment.

* Recommended