



**DCAP**

# Inovonics® FA to Tehama Migration

Standard and MAX Range Systems

## Product Overview

The Tehama Wireless builds upon the proven Diversity DCAP platform by adding the ability to integrate data from Inovonics® based FA systems. In addition to receiving Tehama data from the integrated radio, the DCAP-TFA connects to an FA type submetering receiver and stores data from both networks simultaneously.

Intended to provide an easy migration path for older sites using obsolete FA technology, the DCAP-TFA allows you to overlay Tehama repeaters over the property and replace FA PMTs with Tehama MDTs as needed. No need to remove and replace the entire AMR system at the property.

The site is commissioned as easy as a standard Tehama system by importing PMT to meter assignments using our CIT software or Web App. Daily reports can be pushed via email or FTP in the standard CSV format, or optionally in the old .OUT format, or use our API to pull your data. Using the CIT, historical hourly data from FA PMTs can be reviewed just like is always available from Tehama MDTs.

## Specifications

Communication Options	<ul style="list-style-type: none"> <li>• 10/100 Ethernet</li> <li>• WiFi</li> </ul>
Data Output	<ul style="list-style-type: none"> <li>• Email with .CSV or .OUT file</li> <li>• FTP</li> <li>• API for pulling data reads</li> </ul>
Internal Radio	902 – 928 MHz; FCC Certified; 750mW output power Dual Antennas integrated inside enclosure
External Receiver Connection	Data forwarded to the cloud multiple times an hour. Local storage up to six months if Internet not available.
Data Storage	Storage in the cloud for three months without fees.
Dimensions	6.0" x 5.2" x 1.45"
Operating Environment	-10 to 145 degree F, up to 90% RH, non-condensing.
Power	12VDC, 1A via 120 VAC wall transformer
Warranty	Four years, does not cover equipment that is not protected by a surge protector or damaged from a power overload.

Continual product enhancements may cause specifications to change without notice.

## Models

Standard System	Model Number	Description
Low capacity DCAP-TFA	TW-203-TFA-150	Standard Range DCAP with support for 150 meter points. Includes integrated Tehama radio receiver and cable to interface with the Inovonics FA403 receiver.
Standard Capacity DCAP-TFA	TW-203-TFA-1000	Standard Range DCAP with support for 1000 meter points. Includes integrated Tehama radio receiver and cable to interface with the Inovonics FA403 receiver.
MAX System	Model Number	Description
Low capacity DCAP-TFA	TW-205-TFA-150	MAX Range DCAP with support for 150 meter points. Includes integrated Tehama radio receiver and cable to interface with the Inovonics FA403 receiver.
Standard Capacity DCAP	TW-205-TFA-1000	MAX Range DCAP with support for 1000 meter points. Includes integrated Tehama radio receiver and cable to interface with the Inovonics FA403 receiver.

The DCAP-TFA is shipped with 12 VDC, 1 Amp power supply, Ethernet cable, and quick-connect cable to interface with the Inovonics receiver.

\*\* Standard and Max Range systems are NOT compatible: only Standard Range MDTs must be used with a Standard Range DCAP/Repeater system and vice versa.

Refer to [AN-119](#) in the documents section of our website for more information.

Note: If connection to an Inovonics receiver is not required, other DCAP models are recommended instead.

## Connection Instructions for DCAP-TFA

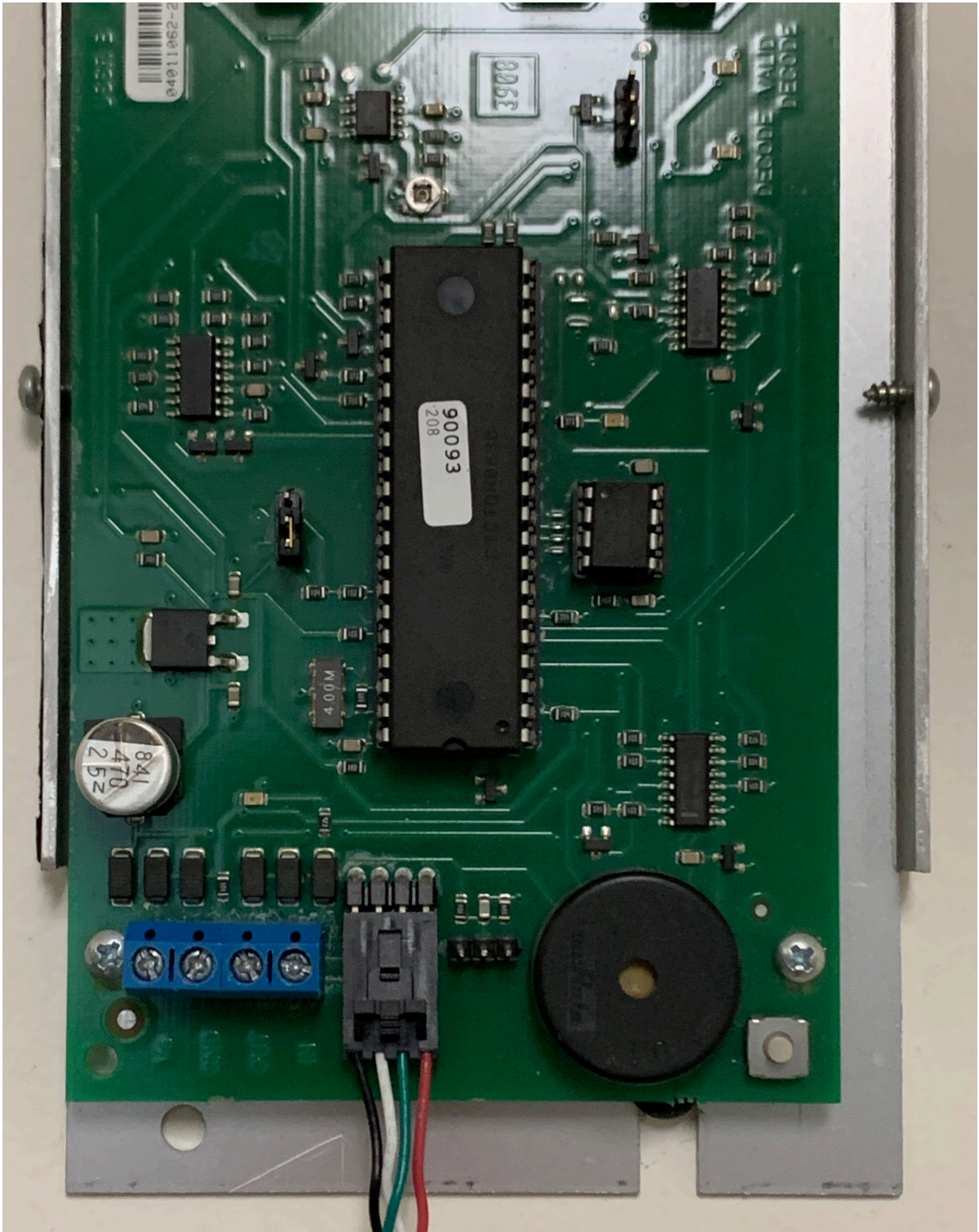
The DCAP-FET connects to a standard Inovonics® FA-403 submetering receiver using the supplied TW-ASSY-J56 cable. This cable supplies power to the receiver along with the communication signals.

### DB9 Connector Signals

The connector assembly consists of a two-foot-long twisted cable assembly with four conductors, green, red, black, and white. The pre-stripped and tinned wires are to be connected to the screw terminal in the submetering receiver unit as follows:

DCAP Connection	Wire Color	FA-403 Connection
DB9, Pin 2	White	Out
DB9, Pin 3	Black	In
DB9, Pin 5	Green	GND
DB9, Pin 9	Red	Vs

## Wiring to an FA-403 Receiver



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