Diversity Version
Data Concentration Access Point



Updated! The DCAP is at the heart of the Tehama Wireless Automated Meter Reading (AMR) system. The new Diversity DCAP incorporates a more powerful embedded micro-computer and our improved diversity Repeater radio to increases its range to Repeaters and MDT/meter nodes in the Tehama RF network.

The internal database contains the site configuration information such as MDT Radio IDs, meter serial numbers, installation information and maintenance notes so everything about the property metering information and the RF network is contained in one location.

The DCAP collects and stores meter readings from the MDTs in the network and relays this information automatically to a billing company via an Ethernet. Data can be received by email or sent to your FTP/SFTP site using the standard CSV format.

The Diversity DCAP is also available in a new capacity that supports up to 2000 MDTs. The DCAP uses the same distinctive housing as the Diversity repeater.

Specifications

Communication Options	• 10/100 Ethernet or WiFi • Cellular modem (Optional)
Communication Protocols	• Email with .CSV or .OUT file • FTP and Secure FTP • CIT software
Radio	• 902 – 928 MHz; FCC and IC Certified • +28.5dBm transmit power, open field range of over two miles*
Data Storage	Over 3 million time stamped data points. Provides over four months of storage for 250 meters with 15 minute interval readings.
Security	Multiple permissions levels for database access
Dimensions	6.0" x 5.2" x 1.45"
Operating Environment	-10 to 145 degree F, up to 90% RH, non-condensing
Power	5VDC, 1A via 120 VAC wall transformer

Continual product enhancements may cause specifications to change without notice.
*Actual range may vary depending on installation location and topography.

Models

The Diversity DCAP ships with 5 VDC, 1 Amp power supply and Ethernet cable.

For use in **Standard Range** systems **		
Low capacity DCAP	TW-203X-T-150	DCAP with support for 150 meter points. Includes Radio Receiver.
Standard Capacity DCAP	TW-203X-T-1000	DCAP with support for 1000 meter points. Includes Radio Receiver.
High Capacity DCAP	TW-203X-T-2000	DCAP with support for 2000 meter points. Includes Radio Receiver.
DCAP-Gateway	TW-203X-GW	DCAP Gateway device for up to 500 meters. Includes Radio Rcvr. Requires TW-223-CS.
Central Database DCAP	TW-223X-CS	Central DCAP used with Gateway devices. Supports up to 2000 meter points.

**** Standard and Max Range systems are NOT compatible: only Standard Range MDTs must be used with a Standard Range Repeater and Standard Range DCAP and vice versa.
Refer to AN-119 in the documents section of our website for more information.

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