

DCAP - Data Concentration Access Point



The DCAP is at the heart of the Tehama Wireless Automated Meter Reading (AMR) system. The DCAP incorporates a powerful embedded micro-computer, a comprehensive database, and an integrated radio transceiver to communicate with Repeaters and each MDT/meter node 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 connection or through our optional CellConnect cellular data service. Data can be received by email or sent to your FTP site, using the standard CSV format, or optionally in the .OUT format.

Specifications

Communication Options	<ul style="list-style-type: none"> • 10/100 Ethernet • Cellular modem (Optional)
Communication Protocols	<ul style="list-style-type: none"> • Email with .CSV or .OUT file • FTP • MySQL database query • CIT software
Radio	902 – 928 MHz; FCC Certified; Open field range of up to 0.75 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	5.6" x 5.25" x 1.75" (excludes external antenna)
Operating Environment	-10 to 145 degree F, up to 90% RH, non-condensing
Power	6VDC, 1.5A 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

Low capacity DCAP	TW-201-T-150	DCAP with support for 150 meter points. Includes Radio Receiver.
High Capacity DCAP	TW-201-T-1000	DCAP with support for 1000 meter points. Includes Radio Receiver.
DCAP-Gateway	TW-201-GW	DCAP Gateway device for up to 500 meters. Includes Radio Rcvr. Requires TW-221-C.
Central Database DCAP	TW-221-C	Central DCAP used with Gateway devices. Supports up to 2000 meter points.

All DCAPs shipped with 6 VDC, minimum 1.5 Amp power supply, Ethernet cable and USB cable.

CellConnect Cellular Modem with Service

The **complete** wireless submetering solution. Tehama Wireless configures the cellular modem and provisions the cellular service so it works right out of the box. No hassles with the property management, configuring the IP address or firewalls, or getting a wired connection to where you need it.

Modem and High capacity Data Plan	TW-241A	Provisioned with 1 year service plan for interactive DCAP access or frequent meter read emails.
Modem and Low capacity Data Plan	TW-240A	Provisioned with 1 year service plan for DCAPs sending daily only meter reads.

Extended Plans and Options are available

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