

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 increase 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 | <ul style="list-style-type: none"> • 10/100 Ethernet or WiFi • Cellular modem (Optional) |
| Communication Protocols | <ul style="list-style-type: none"> • Email with .CSV or .OUT file • FTP and Secure FTP • CIT software |
| Radio | <ul style="list-style-type: none"> • 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.

Contact us:

Tehama Wireless

2607 7th Street, Suite G

Berkeley, CA 94710

415.495.7344

info@TehamaWireless.com

www.TehamaWireless.com



©2019 Tehama Wireless Design Group

Rev.1902

