MAX Series Diversity RF
Data Concentration Access Point



Our new MAX Series DCAP is at the heart of our most advanced Automated Meter Reading (AMR) system. The new MAX DCAP uses Spread Spectrum technology to nearly triple the range of MDTs and Repeaters being received by the DCAP. A powerful embedded micro-computer and our diversity RF radio provide the best performance found in an AMR system.

The internal database stores the site configuration information such as MDT Radio IDs, meter serial numbers, installation information and maintenance notes so everything about the property and the radio network is contained in one location. Our CIT software or Mobile app is used to program and commission a site, exactly the same was as with our Standard range DCAPs.

The DCAP uses Ethernet or WiFi to connect to property Internet, then automatically relays the metering data to a billing company using a standard CSV data format. The data is sent by email or by FTP/SFTP.

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 nearly five miles*
Data Storage	Over 3 million time stamped data points. Provides over a year of storage for 250 meters with 60 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. A separate programming cable (TWA-09) is required for programming WiFi password or setting up a static IP address.

For use in **Max Range** systems **		
Low capacity DCAP	TW-205-T-150	DCAP with support for 150 meter points. Includes Radio Receiver.
Standard Capacity DCAP	TW-205-T-1000	DCAP with support for 1000 meter points. Includes Radio Receiver.
High Capacity DCAP	TW-205-T-2000	DCAP with support for 2000 meter points. Includes Radio Receiver.

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

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