

# MEGANET INFRASTRUCTURE COLLECTOR



## Collector Features

- No backhaul fees
- Full 6-watt radio transmission
- High quality robust design for outdoor installation
- Time sync
- RSSI instant field verification
- Automatic protocol detection
- Transceivers capable of up to eight channels
- RMR unlimited data
- Easy installation
- Efficient field and / or remote programming
- Lightning protection
- AC mains protection
- Optional 19" rack mount conf.

**OVERVIEW:** The RMR5000S radio Super collector is a high powered long range device that receives signals both from MTU's and collectors then forward them to the communication management Head-End Transceiver.

**OPERATION:** The RMR5000S is a super collector that stores and communicates the data collected from end points and standard collectors through a wireless link. The unique high power output and high speed communication is ideal for managing large scale communication networks, extending transmission distances and system capacity. The RMR5000S can expand a localized radio network to a countrywide system due to the equipment's extensive connectivity, modular design and smart programming. The RMR5000S is expandable taking the system design today while preparing for the growth of the future with the ability to operate on either VHF or UHF channels simultaneously.

**PERFORMANCE:** MegaNet™ is a true end-to-end RF solution. Third party communications such as Cellular (GPRS), Internet, or Fiber Optic can be utilized as backup/s. Therefore data flows to the MCM software instantaneously. This is a key point of the MCM, allowing the Utility to take advantage of data reads, fault detection and water theft. The MegaNet™ MCM provides system management as well as performance analysis.



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# MEGANET INFRASTRUCTURE

# HEAD END



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## Head End Features

- Consumer Web Portal
  - MegaNet™ offers hosted or Non hosted solutions
  - Modular design enables expansion
  - Automatic data base backup
  - Time sync
  - Intuitive and user friendly MCM software
  - Automatic alarms for abnormal usage or tampering
  - System management / signal analysis
  - Unlimited data storage
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**OVERVIEW:** The MegaNet™ Head-End is comprised of the RMR5000C and the MCM (Meter Control Management) software. The RMR5000C manages communication with RMR5000S Super Collectors, controlling collection processes and data flow ultimately feeding the MCM software.



**OPERATION:** The RMR5000C provides a modern and secure communication link with RMR5000S Super Collectors. Used in large scale projects, the RMR5000C offers reliable high-speed data collection, with full flexibility and control of Fixed Network infrastructure. At preset intervals, the RMR5000C polls the Super Collectors deployed throughout the network, efficiently and quickly downloading packets of data and transferring them to complementary software, MCM, offering fully automatic functionality from a single location. Real-time network diagnostic and alerts streaming in from several means of communication ensure the most reliable and efficient large-scale Fixed Network.

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