



R450™  
MINI DATA COLLECTOR



Neptune's ARB® FixedBase™ AMI System is an advanced, highly robust, two-way fixed network meter reading solution that delivers comprehensive usage information through a secure, long-range wireless network. ARB FixedBase AMI provides the timely, high-resolution meter reading that enables water utilities to eliminate on-site visits and estimated reads, reduce theft and loss, implement Time-of-Use billing, and profit from all of the financial and operational benefits of fixed network automated reading and billing.

An integral part of the ARB FixedBase AMI System is the R450™ Mini Collector (R450 MC). The R450 Mini Collector is the perfect complement to the R450™ Data Collector and can be deployed as part of the infrastructure of the ARB FixedBase AMI System.

While supporting the two-way functionality of the ARB FixedBase AMI System, the R450 MC has also been designed for flexible deployment. A solar power option simplifies the deployment process by eliminating the dependency on AC power availability.

The R450 MC maximizes installation flexibility by offering roof-mount and pole-mount options to simplify the process of finding installation assets.

With backhaul options such as GPRS and wired Ethernet, the R450 MC also provides you with flexible and reliable choices on how you want your data delivered.

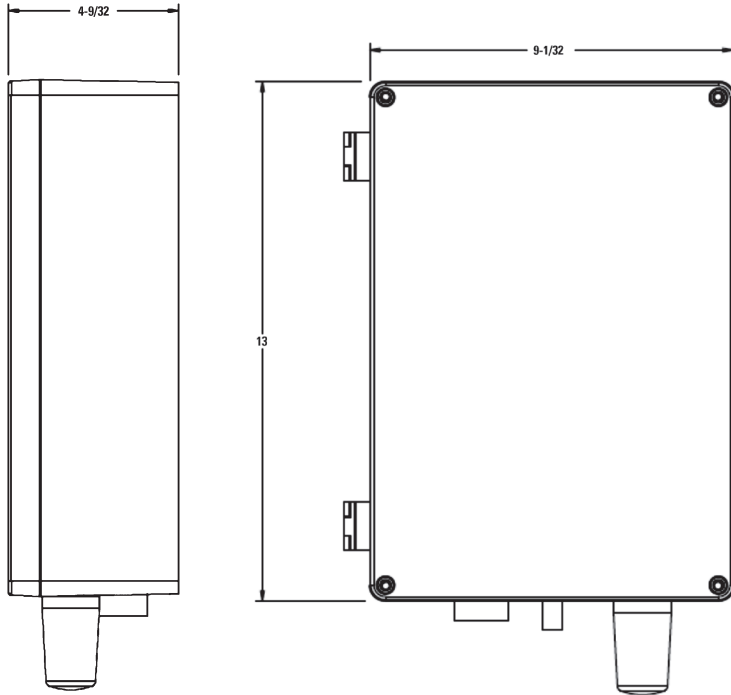
KEY FEATURES

- Two-way communications
- Multiple backhaul options
- Supports priority alarms
- Solar power option
- NEMA enclosure
- Eight-hour battery backup

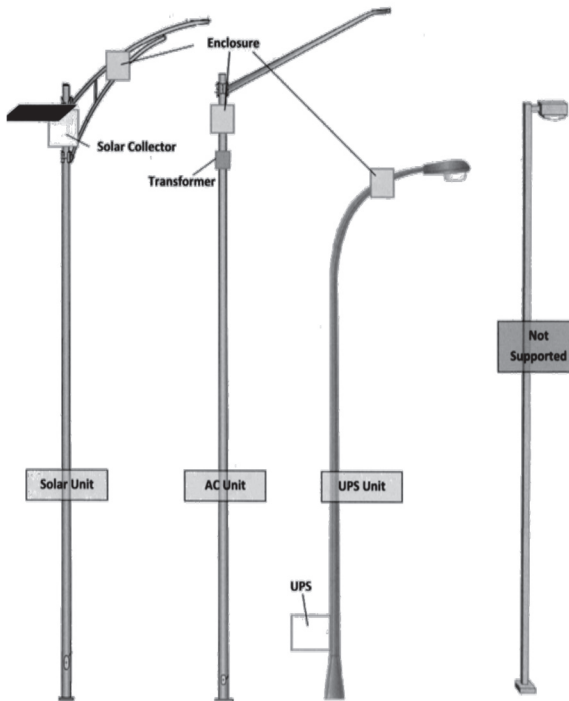
KEY BENEFITS

- Multiple power options
- Flexible mounting options
- Improved customer service
  - Priority alarms
  - Hourly usage/consumption data
- Best life cycle value

## Dimensions



## Mounting Examples



## GENERAL SPECIFICATIONS

- Environmental
  - -22°F to +140°F (-30°C to +60°C) operating temperature
  - -40°F to +158°F (-40°C to +70°C)
  - Operating Humidity of 0 to 95% non-condensing
  - NEMA enclosure
- Frequency
  - Licensed 450 to 470 MHz
- Power
  - 110-240V AC
  - Uninterruptible Power Supply (UPS)
  - Solar Power
- Backhaul Options
  - GPRS (standard)
  - Ethernet
- Pole top installation (can also be mounted on towers, billboards, rooftops, or buildings)
- Weight: 35 lbs (total weight varies depending on power option)

Neptune Technology Group Inc.  
1600 Alabama Highway 229  
Tallahassee, AL 36078  
USA  
Tel: (800) 645-1892  
Fax: (334) 283-7293

Neptune Technology Group (Canada) Ltd.  
7275 West Credit Avenue  
Mississauga, Ontario  
L5N 5M9  
Canada  
Tel: (905) 858-4211  
Fax: (905) 858-0428

Neptune Technology Group Inc.  
Ejército Nacional No. 418  
Piso 12, Desp. 1201-1202  
Col. Chapultepec Morales  
Delegación Miguel Hidalgo  
11570 México, Distrito Federal  
Tel: (525) 55203 5294 / (525) 55203 5708  
Fax: (525) 55203 6503



neptunetg.com