

Each Collector manages and connects thousands of Stealth Reader MIU devices to the monitoring and control computer system. Designed from the ground up for utility and industrial applications, the Stealth Collector is rugged, flexible, secure and reliable.

Rugged

- IP 67 Waterproof
- Operating temperature: -40 to +85C
- Hinged aluminum chassis
- Stainless captive hardware
- Silicone rubber gasket seals
- Pole and structure mounts included
- Waterproof antenna connectors
- 6000V/3000A surge suppression
- Integral heater for humidity control
- Gore-Tex pressure vent

Flexible

- Wired and Wireless Connectivity
- Standards-compliant interfaces
- 120-240VAC 50/60Hz operation (<4W)
- External DC/POE/Solar power options

Secure

- 128-bit encryption
- Digitally signed firmware
- Encrypted password authentication
- Physical intrusion detection/reporting

Reliable

- Dual batteries for up to 3 months; continuous operation during extended power outages
- Redundant configurations with hot-failover
- Automatic battery monitoring and maintenance
- 5-year backup battery service

Simple

- At-a-glance LED status panel
- Integrated antenna analyzer
- Integrated GPS for location and timing
- Graphical installation software
- Remote monitoring and control
- Local programming via USB and RF



Specifications

Collector		
Data Collection	1GC Standard Non-Volatile Flash Storage	<ul style="list-style-type: none"> Collects data from thousands of remote devices Retains up to 6 months of data All data time stamped when generated and received Options for up to 8GB
Monitoring and Control System Interface	Wired & Wireless	<ul style="list-style-type: none"> Standards-based interfaces support wired and wireless connections, up to 1 mile.
Mesh Coordinator	Mesh Timing	<ul style="list-style-type: none"> GPS disciplined TCXO for ultra-stable timing Redundant configurations with auto-failover
User Interface	USB RF Network	<ul style="list-style-type: none"> Graphical User Interface Remote and local management

General	
Power Requirements	<ul style="list-style-type: none"> 120 VAC or 240 VAC +/- 10%
Surge Protection	<ul style="list-style-type: none"> ANSI C62.41 Surge Compliant Surge Rated to 6000 V at 3000 A
Dual Battery Backup	<ul style="list-style-type: none"> Maintains full operation for up to 24 hours Mesh control and data collection for up to 3 months of outage
Enclosure	<ul style="list-style-type: none"> IP67 Rated Die-Cast Aluminum
Physical Size	<ul style="list-style-type: none"> 11"H x 9"W x 4"D
Mounting	<ul style="list-style-type: none"> Pole or Wale Mount
Environmental	<ul style="list-style-type: none"> -40 C to +85 degrees C
Radio	
Frequency	<ul style="list-style-type: none"> 902 MHz to 928 MHz license free ISM band
Spread Spectrum	<ul style="list-style-type: none"> Frequency Hopping
Transmit Power	<ul style="list-style-type: none"> 27 dBm
Receiver Sensitivity	<ul style="list-style-type: none"> -112 dBm
Encryption	<ul style="list-style-type: none"> 128 Bit Symmetric Key
Antenna	<ul style="list-style-type: none"> Up to 8dBi – N-type Connector

