

## ZENNER Stealth Collector Network Controller

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

- IP67 Waterproof
- Operating temperature: -40°C to +85°C
- Hinged aluminum chassis
- Stainless steel 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

### Meter Agnostics

- 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



## Specifications

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

<b>General</b>	
Power Requirements	<ul style="list-style-type: none"> <li>120 VAC or 240 VAC +/- 10%</li> </ul>
Surge Protection	<ul style="list-style-type: none"> <li>ANSI C62.41 Surge Compliant Surge Rated to 6000 V at 3000 A</li> </ul>
Dual Battery Backup	<ul style="list-style-type: none"> <li>Maintains full operation for up to 24 hours</li> <li>Mesh control and data collection for up to 3 months of outage</li> </ul>
Enclosure	<ul style="list-style-type: none"> <li>IP67 Rated Die-Cast Aluminum</li> </ul>
Physical Size	<ul style="list-style-type: none"> <li>11"H x 9"W x 4"D</li> </ul>
Mounting	<ul style="list-style-type: none"> <li>Pole or Wall Mount</li> </ul>
Environmental	<ul style="list-style-type: none"> <li>-40°C to +85°C</li> </ul>

<b>Radio</b>	
Frequency	<ul style="list-style-type: none"> <li>902 MHz to 928 MHz license free ISM band</li> </ul>
Spread Spectrum	<ul style="list-style-type: none"> <li>Frequency Hopping</li> </ul>
Transmit Power	<ul style="list-style-type: none"> <li>27 dBm</li> </ul>
Receiver Sensitivity	<ul style="list-style-type: none"> <li>-112 dBm</li> </ul>
Encryption	<ul style="list-style-type: none"> <li>128 Bit Symmetric Key</li> </ul>
Antenna	<ul style="list-style-type: none"> <li>Up to 8dBi — N-type Connector</li> </ul>