

# TankScan Cellular Industrial Gateway Setup Instructions



The power of data. **Optimized.**

## System Components:

- Industrial Gateway
- XBee Antenna
- Cellular Antenna
- Power Supply

**IMPORTANT: Gateway must be installed before installing monitor batteries or battery life will be severely compromised.**

## Determine Gateway Location

- 1 Locate gateway near 115 VAC outlet so it is within 500 ft range of TankScan monitors using included XBee antenna or 1000 ft range using optional external antenna and has a clear line of sight to those monitors. If gateway is to be within a structure, keep in mind that anytime a radio signal passes through walls its strength will lessen. Metal walls will weaken signals significantly. Also, gateway life is shortened by exposure to dirt and water, so in cases where gateway is not protected by a structure it is then necessary to place gateway in a water/dust tight box.

## Set Up Gateway

- 2 Unpack gateway from box.
- 3 Connect XBee antenna to XBee connector.
- 4 Place XBee antenna vertically on a metal surface.
- 5 Connect cellular antenna to primary cellular connector.
- 6 Connect power supply.
- 7 With power connected lights will illuminate as follows:
  - Power and XBee Link indicator will turn solid green.
  - Cellular Link indicator will turn solid green when connectivity is achieved.
  - Status, XBee Act, and Cellular Act indicators will flash orange when there is activity.
  - Signal Strength indicators will turn solid green according to signal strength.



## For help call ATEK Customer Care Team (CCT) at 800-523-6996.

To comply with FCC and Industry Canada RF radiation exposure limits for general population, the gateway and monitor must be installed to provide a separation distance of at least 20cm from all persons and they must not be collocated or operated in conjunction with any other antennas or transmitters.

Changes or modifications not expressly approved by ATEK Access Technologies, LLC could void the user's authority to operate the equipment. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at their expense.



223-0160-000 Rev. A 1/17

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