



# HTT-GEN2



Discover the High Tide GEN-2, a cutting-edge solution designed to enhance the efficiency and reliability of your utility management operations and belongs at the center of your SCADA system.

This advanced remote terminal unit (RTU) boasts Dual SIM with Automatic Fail-Over for seamless connectivity, ensuring uninterrupted performance. With Verizon Frontline Certification, the GEN-2 leverages Verizon's priority network for superior cellular reliability. It's UL Certified for safety and offers flexibility with optional satellite and solar power configurations.

Supported by 24/7 tech support, the GEN-2 is your dependable choice for integrating with your SCADA system, monitoring and controlling water tanks, booster pump stations, flow meters, pressure levels, valve stations, and more.

## SPECIFICATIONS

- I/O: 8 digital inputs; 4 analog inputs; 4 analog outputs (via DO kit)
- Expansion models available for additional digital input/outputs, analog inputs, or analog outputs (see back of page)
- Modbus interface: RS-232, RS-485, or Ethernet
- Communications Methods: satellite, cellular, Ethernet or dual (cell + ethernet)
- Enclosure: 10in x 12in, NEMA 4X polycarbonate or backplate kit
- Operating temperature: -25C to 70C
- Input power: 100-240V / 50-60Hz (solar available)
- Backup battery: 12V 3-5 days

## FEATURES & BENEFITS

- Easy installation, maintenance & updates
- No user programming required
- UL Certified
- Data poll readings every 2 minutes
- Dual SIM Automatic Fail Over (At&T/Verizon)
- Event & pump status monitoring & alarm notifications
- Supports pulse inputs for rain gauge or flow meter
- Flow estimation features included
- Advanced control & flow estimation features included
- Monitor applications & control various elements
- 24/7/365 factory support
- Solar options available
- Satellite options available



# HTT GEN-2 EXPANSION MODULES

- Up to 8 expansion modules per RTU
- All power comes from the RTU
- RTU-to-Expansion Module cable is included
- External expansion cabinets are available: 10x12" or 14x16"
- Expansion modules can be added to RTUs installed in the field



## DIGITAL I/O EXPANSION BOARD

- 16 total I/O points available
- 12 of the available I/O points are input-only
- 4 of the available I/O points can be inputs or outputs
- 5 of the available I/O points can be used as counters
- Outputs require relay kit\*\* to get full output functionality, need relays
- Status LEDs come standard on the expansion board
- Same wiring & connectors as the digital inputs on the RTU
- Operating temperature: -25C to 70C

## ANALOG INPUT EXPANSION

- 8 available analog input points
- 24V loop power on each module
- Same options for 0-5V & 4-20ma as RTU I/O points
- Same wiring & connectors as the inputs on the RTU
- Module supports using analog inputs as digital inputs
- Good option if you need a few more analog inputs & digital inputs added to the Gen-2 RTU
- Optional DC surge arrestors are available
- Operating temperature: -25C to 70C



## ANALOG OUTPUT EXPANSION

- 4 available analog output points
- Module supports 4-20ma only
- Outputs require external loop power from the destination
- Best used for VFD speed control, valve positioning, and more
- Operating temperature: -25C to 70C