products and solutions for

utilities

wireless networks

AMI ▪ Automated Distribution ▪ SCADA

ventevinfra.com/iot/smart-energy sales@ventev.com 800.851.4965
Ventev products protect, power, and connect Utilities wireless networks

Utilities rely on cellular, Wi-Fi, SCADA, and other networks to ensure the reliability and efficiency of the power grid. **Ventev is a leading provider of wireless infrastructure for Utilities across the U.S.**

**Advanced Metering Infrastructure (AMI)**
The integrated system of smart meters, communications networks, and data management systems enables two-way communication between utilities and customers.

**Distribution Automation**
Utilities ensure system reliability by remotely monitoring reclosers, sectionalizers, and automated switches that detect and isolate breaks in the power grid.

**SCADA Networks**
SCADA radios backhaul critical sensor data in order to monitor waterworks, wastewater treatment, manufacturing, and production.

### Ensure High-Performance Wireless Connectivity
Ventev is one of the largest providers of third-party antennas for radios, cell modems, gateways, and access points.

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>Engineering Specifications</th>
<th>Description</th>
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<tr>
<td>698-960/1710-2170/2500-2700MHz</td>
<td>1/2/3.5dBi LTE Terminal Antenna with SMA Connectors</td>
<td>Tessco No 515219</td>
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<tr>
<td>698-9601/700-2690MHz, 3.2-3.4dBi Omni LTE Stick Antenna with N Plugs</td>
<td>Tessco No. 221383</td>
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<td>698-896/1700-2700MHz, 3/3.5dBi Outdoor Omni LTE/Wi-Fi/DAS Antenna</td>
<td>Tessco No 309965</td>
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<td>3G/4G Omni Antenna</td>
<td>Tessco No 512338</td>
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<td>698-960/1710-2700MHz, 10/11dBi Directional Antenna</td>
<td>Tessco No 388444</td>
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<tr>
<td>824-960MHz, 6dBi Fiberglass Omnidirectional Antenna</td>
<td>Tessco No 392017</td>
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<td>698-960/1700-2700MHz, 6/7dBi Fiberglass Omni Antenna</td>
<td>Tessco No 570938</td>
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<td>698-960/1710-2700MHz, 2/4dBi Omni Surface Mount LTE Antenna</td>
<td>Tessco No 217066</td>
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<tr>
<td>698-2700MHz, 7.4/9.2dBi Directional LTE Antenna</td>
<td>Tessco No 206635</td>
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</tbody>
</table>

### Power Radios, Cameras, and Other PoE Devices

**Power Extender for Light Poles**
Enables access points, cameras or other PoE devices to operate even when the lightpole has intermittent AC power.

- Tessco No. 553902
- Multi-Port Power Extender for Light Poles
- Tessco No 586690

**Outdoor UPS for Wi-Fi Access Points**
Powers and protects electronics in outdoor environments and converts site AC power to DC power or PoE+ for most electronics.

- **Single:** Tessco No 556726
- **Double:** Tessco No 556727

**PoE+ Solar Powered System for Outdoor Wi-Fi APs**
Stand-alone Solar Power Systems provide continuous power for outdoor sites with no AC power. Reliable power throughout most of the U.S. Available in 3 output capacities:

- **MicroSolar**-for radios drawing<=3W/hr. (.LPWAN)
- **UltraSolar**-for radios drawing<=7.5W hr. (LTE cell modems or SCADA radios)
- **MaxSolar**-for radios drawing <= 18W/hr. (Outdoor mesh Wi-Fi access points)

**Tessco No 294169**

**More product solutions:**
ventev.com/infra
Install Radios, Batteries, and Antennas Quickly and Safely

Save valuable time and resources with mounts that make installation faster, easier, and more economical.

Top of Pole Mount
Antenna, pole, and bracket configuration allows fast, easy installation. Mounts antenna away from other devices on the pole to reduce interference. Call for sku and pricing.

Saddle Bracket
Co-locates radios with batteries and antennas for faster, more efficient deployments. Slotted mounting plate allows flexible, precise articulation. Tessco No 511400

Extension Bracket
Heavy-duty stainless steel bracket for robust product configurations with a small footprint. Use with Ventev's Saddle Bracket to maximize versatility. Bolts securely to the pole. Offers up to a 30-inch stand off. Tessco No 319887

Smart Grid Compact Bracket
Co-locates a radio, battery, and antenna in one, low profile unit. A single, welded base increases stability and allows fast, one-piece installation. Tessco No 535790

Protect Equipment from Weather, Tampering, and Theft

Choose NEMA-rated polycarbonate or steel enclosures and cabinets

Outdoor AC/DC Power Systems
Tessco No 254543

PoE Wi-Fi Enclosure System with Integrated Antenna for Cisco 2702E/3702E
Tessco No 539158

14x12x6” Vented Enclosure with Solid Door
Tessco No 376843

18x16x10” Vented Enclosure with Solid Door
Tessco No 377136

12x10x5 Enclosure
Tessco No 583998

12x10x5 Enclosure with Integrated Omni Antenna
Tessco No 563161

14x12x6” Enclosure with Integrated Omni Antenna
Tessco No 567152

18x16x10” Heated and Cooled Enclosure with Solid Door
Tessco No 516489

Enclosures can be fully integrated with a variety of components and delivered to your job site for simple, plug and play installation and reduced errors in the field.
Keep Deployments on Schedule with Ventev Cable

Ventev offers immediate delivery of bulk coax, network cable, and pre-assembled jumpers.

### Internal
- **TWS-100 18” Jumper, N Female-Bulkhead to RA SMA Male**
  - Tessco No 389603
- **2’ TWS195 Jumper N-Female - Bulkhead to SMA Male**
  - Tessco No 376676
- **1’ TWS195 Jumper, SMA Female - Bulkhead to SMA Male**
  - Tessco No 579496
- **18” TWS100 Jumper, N Male - SMA Male Right Angle**
  - Tessco No 569351

### External
- **5’ TWS400 Jumper, N Male to N Male**
  - Tessco No 327900
- **10’ TWS400 Jumper, N Male to N Male**
  - Tessco No 340960
- **10’ TWS400 Jumper, N Male to N Male**
  - Tessco No 340960
- **30’ TWS400 Jumper, N Male to N Female**
  - Tessco No 330870

### Why Choose Ventev?
- **Industry-leading product lines** provide a comprehensive ecosystem of wireless products.
- **Unrivaled expertise and resources**
- **Products for most major radios/APs covering Wi-Fi, DAS, LTE, SCADA and Two-Way**
- **Easy-to-install solutions**
- **Pre-configured, fully-integrated solutions**
- **Large inventory of products**
- **Professional Product Training and Educational Materials** such as application notes and case studies.
- **Customer Support** with exceptional product and industry knowledge and updates through the Ventev and Tessco teams.
- **Purchase through Tessco**- Ventev products are sold through TESSCO Technologies (NASDAQ: TESS), making purchasing risk-free.

Visit: [www.ventev.com/infra](http://www.ventev.com/infra) or contact Ventev at 800.851.4965, sales@ventev.com