



Industry-leading Wi-Fi Products and Solutions including **TerraWave®** and **Wireless Solutions®**



Antennas



Mounts



Indoor and Outdoor Enclosures



Cable



Power Solutions

# Wireless products and solutions to meet the challenges

Ventev Wireless Infrastructure offers innovative products and solutions to deploy, protect, power and improve Wi-Fi networks in every environment.

## Ventev in the News

*"If you design wireless networks, you'll want to know about Ventev."*

*Network Computing, "Taking Wireless Infrastructure Outdoors"*

*"Ventev Wireless Infrastructure is a leader in "taking Wi-Fi outside;" at major events such as the British Royal Wedding."*

*Light Reading Mobile, "Ventev Brings Its Wi-Fi HotSpot to CTIA"*

*"The [network] system performed much better. We accomplished our goals to reduce the RF footprint, limit users per access point and improve service. We did similar upgrades in classroom buildings throughout the campus."*

*William Lawrence, IT Project Manager  
Georgia Institute of Technology*

*"Ventev - a great set of products to help WLAN professionals do their jobs."*

*Keith R. Parsons, Managing Director  
Wireless LAN Professionals, Inc*



Outdoor Common Areas



Stadiums

## CHALLENGE:

### Outdoor Wi-Fi

Today, network connectivity is expected everywhere. However deploying an outdoor network can be expensive and complex.

## SOLUTIONS:

### PoE Enclosure

Extending indoor Wi-Fi outdoors is easier with Ventev's plug and play enclosures. One PoE cable powers both access point and environmental controls. No AC power is necessary.



For additional temperature-controlled enclosures visit [www.ventev.com/infra](http://www.ventev.com/infra)

### Small Form Factor Micro Patch Antenna

Outstanding Wi-Fi performance in a small package with a rugged, articulating mounting solution.



### Outdoor UPS for Wi-Fi Access Points

Provides 4 - 8 hours battery backup during power outages. Ensures Wi-Fi network reliability to prevent costly downtime.



## CHALLENGE:

### High Capacity

Providing network capacity in stadiums with large concentrations of mobile device users offers unique coverage and mounting challenges.

## SOLUTIONS:

### High-Density Antennas

Narrow beamwidth, high gain antennas focus RF and limit users per AP to reduce interference, the main reason for limited connectivity, and increase capacity per user.



### Guardrail / Handrail Antennas

Open stadiums with no roof and arenas with high ceilings make mounting APs and antennas difficult. Guardrail and Handrail antennas bring seamless network connectivity closer to users.



### Under-the-Seat Wi-Fi Solution

When "top down" installation of APs and antennas isn't possible, the Under-the-Seat Solution provides "bottom up" connectivity to the network for several rows of users.





# of Wi-Fi deployment in Higher Education



Auditoriums/Lecture Halls

## CHALLENGE:

### Performance and Aesthetics

High ceilings and concentrations of users accessing the network at once make providing aesthetically pleasing coverage and capacity a challenge.

## SOLUTIONS:

### High-Density Antennas

Narrow beamwidth, medium gain antennas focus RF to limit users per access point and improve bandwidth per user. Lower gain reduces floor-to-floor interference.



### Co-Locating Mount

Durable, articulated mount easily installs both AP and antenna making it an ideal choice for difficult locations such as high ceilings.

Aesthetically pleasing design blends with ceiling and conceals equipment and wires.



### Junction Box Wi-Fi Antenna

Housed within a standard three-gang electrical box, the unique new Junction Box Wi-Fi Antenna provides aesthetically pleasing Wi-Fi without sacrificing performance.



Student Centers/ Dorms

## CHALLENGE:

### Aesthetics and Protection

How do you provide the capacity needed for several simultaneous users, plus ensure equipment is secure and aesthetically pleasing?

## SOLUTIONS:

### Indoor Enclosures

Ventev's ceiling tile enclosures and wall mount enclosures conceal and protect access points from tampering and theft, dust and accidents. Ideal for locations where high-performing Wi-Fi and aesthetics are equally important.



### Indoor Antennas

Choose from a wide range of indoor antennas with high, medium and low gain to improve Wi-Fi user experience.



Classrooms

## CHALLENGE:

### Coverage and Aesthetics

How do you optimize coverage for increasing network demand and maintain aesthetics of interior decor?

## SOLUTIONS:

### Indoor Enclosures

Ceiling tile enclosures conceal and protect access points and antennas from tampering and theft, dust and accidents.



### Bubble Enclosures

Accommodates access points with integrated antennas. Provides protection from damage caused by theft or tampering.



### Small Form Factor Omni Antenna

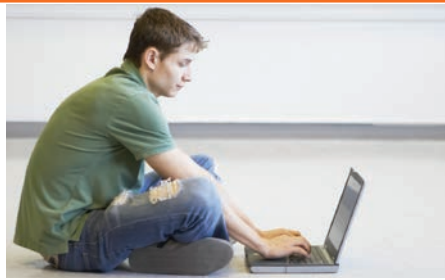
SFF 6 dBi indoor/outdoor omnidirectional antenna provides outstanding RF coverage in a small, attractive package.



**ventev**<sup>®</sup>

For more products and solutions: [www.ventev.com/highereducation](http://www.ventev.com/highereducation)

# Why choose Ventev?



## Find Products Fast!

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Ventev's dedicated team is available to offer unparalleled knowledge and support for any wireless application.

- **Industry-leading product lines**, including **TerraWave®** and **Wireless Solutions®**, provide a comprehensive ecosystem of wireless products
- **Unrivaled expertise and resources**
- **Products for every major radio/ AP covering** Wi-Fi, DAS, LTE, SCADA and Two-Way
- **Easy-to-install solutions**
- **Pre-configured, fully-integrated solutions**
- **Large inventory of products**
- **Professional Training and Educational Materials** such as application notes and case studies.
- **Customer Support** Enjoy exceptional product knowledge, support, and updates through the Ventev and TESSCO team
- **Purchase through TESSCO**  
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  - receive access to *your* pricing
  - view product availability
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