

TAIT PRIVATE LTE SOLUTIONS



eNodeB

OUTDOOR PRODUCTS AND OPTIONS

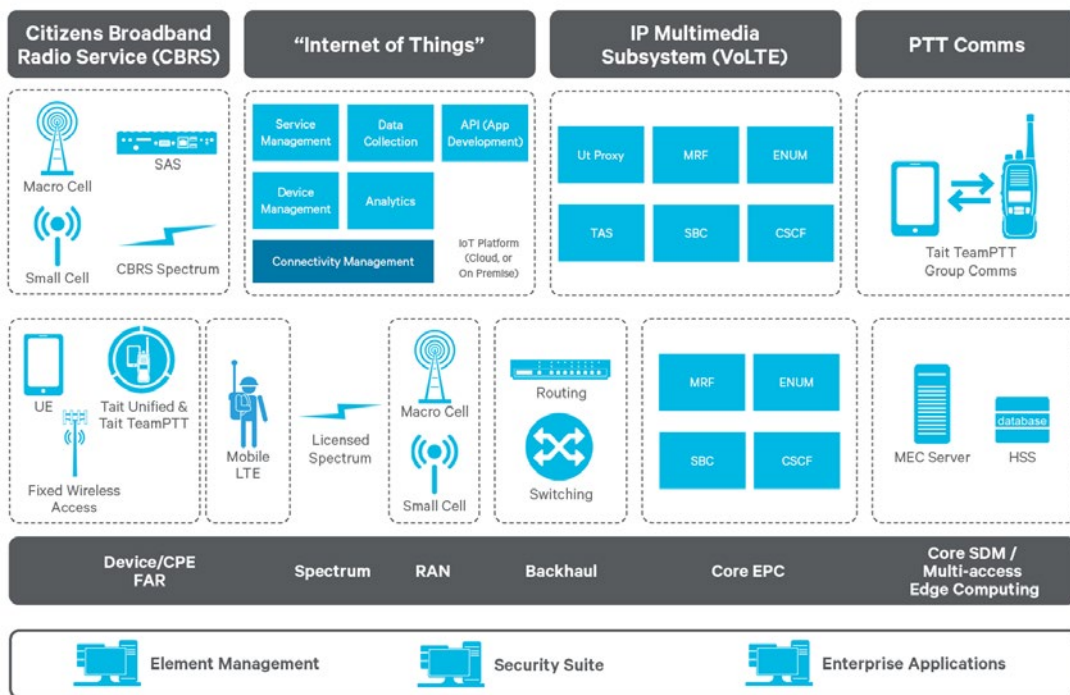
Tait Private LTE Solutions

Tait is a leader in the development of critical communications standards and technology with over 50 years experience. We combine technology with our world-class professional and managed services to deliver solutions for the most exacting customers around the world.

Our end-to-end portfolio and ground-breaking innovations provide a gateway to a new age of industry where humans and machines will connect with more intelligence than ever. The Tait Private LTE solution allows your organization to integrate machines, sensors, people, and vehicles securely and reliably with performance to meet the requirements of almost any industrial application, including IoT.

With our highly customizable Private LTE solution, users have total control over an exclusive wireless broadband network with guaranteed coverage of your operational area.

Tait Private LTE Solutions combines our proven track record for critical communications system integration with our LTE technology partners. Together with our partners Nokia, BlackNed, and AirSpan we provide a highly robust broadband solution, tailored to your needs.



Custom Integration



eNodeB

A range of eNodeB equipment is available that is easy to deploy in both indoor and outdoor areas for small or large industrial sites and in field area networks. You can eliminate coverage holes, boost traffic and solve in-building penetration problems to deliver a greater user experience.

Power output options range from 250mW to 20W.

Global LTE bands supported include B1, B2, B3, B4, B9, B26, B38, B48.

This catalog includes Airspan outdoor eNodeB options.

Please contact Tait to discuss the range of Private LTE options that would best meet your needs.

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AirHarmony 1000 Outdoor 4G LTE eNodeB

Low Powered, With Wireline Backhaul Options

AirHarmony 1000 is a Compact and versatile 4G LTE Micro eNodeB that provides the outdoor Micro layer of a Heterogeneous LTE network deployment (HetNet). Supports 3GPP's latest LTE releases (software upgradeable). Support for SON and advanced interference mitigation techniques enabling N=1 frequency re-use with the Umbrella Macro cell. The cooperative QoS over the Backhaul interface ensures the QoE from the Micro eNodeB matches the experience from the Macro cell.

Plug and Play

Full plug-and-play functionality, out-of-the-box to fully operational, within 20 minutes.

The Power of HetNets

Ideal for networks, delivering high data rates and significant cell size where needed most.

Broadband Access

Supports the latest 3GPP LTE broadband access technologies.

Integrated Backhaul

Supports various backhaul options including multiple fiber / copper interfaces which allows for a variety of network topologies.

Latest Release LTE Feature Sets

Supports the latest 3GPP Release feature sets (software upgradeable). Also includes support for SON and eICIC which enables N=1 frequency re-use with the Umbrella Macro cell.

Reduced CAPEX/OPEX

Can be installed without conventional indoor infrastructure, associated power and air-conditioning.

Radio Planning with SON

Designed to integrate with a standardized LTE Access SON solution.





AirHarmony 4000

PRODUCT SUMMARY

AirHarmony 4000 Outdoor 4G LTE eNodeB

With Integrated Wireline Backhaul Options

AirHarmony 4000 is a Mini-Macro carrier-class LTE small cell eNodeB that supports 3GPP's latest LTE releases eNodeB specifications (software upgradeable). It provides high-speed data, mobility, Voice over LTE, and roadcast/multicast services in order to meet the demands of fixed and mobile LTE carriers.

Plug and Play

Full plug-and-play functionality, out-of-the-box to fully operational, within 20 minutes.

The Power of HetNets

Ideal for networks, delivering high data rates and significant cell size where needed most.

Broadband Access

Supports the latest 3GPP LTE broadband access technologies.

Integrated Wireline Backhaul

Supports various backhaul options including multiple fiber / copper interfaces which allows for a variety of network topologies.

Latest Release LTE Feature Sets

Supports the latest 3GPP Release feature sets (software upgradeable). Also includes support for SON and eICIC which enables N=1 frequency re-use with the Umbrella Macro cell.

Reduced CAPEX/OPEX

Can be installed without conventional indoor infrastructure, associated power and air-conditioning.

Radio Planning with SON

Designed to integrate with a standardized LTE Access SON solution.





AirHarmony 4200 Outdoor 4G LTE eNodeB

With Integrated Wireline Backhaul Options

AirHarmony 4200 is a Mini-Macro carrier-class LTE small cell eNodeB that supports 3GPP's latest LTE releases eNodeB specifications (software upgradeable). It provides high-speed data, mobility, Voice over LTE, and roadcast/multicast services in order to meet the demands of fixed and mobile LTE carriers.

Plug and Play

Full plug-and-play functionality, out-of-the-box to fully operational, within 20 minutes.

The Power of HetNets

Ideal for networks, delivering high data rates and significant cell size where needed most.

Broadband Access

Supports the latest 3GPP LTE broadband access technologies.

Integrated Wireline Backhaul

Supports various backhaul options including multiple fiber / copper interfaces which allows for a variety of network topologies.

Latest Release LTE Feature Sets

Supports the latest 3GPP Release feature sets (software upgradeable). Also includes support for SON and eICIC which enables N=1 frequency re-use with the Umbrella Macro cell.

Reduced CAPEX/OPEX

Can be installed without conventional indoor infrastructure, associated power and air-conditioning.

Radio Planning with SON

Designed to integrate with a standardized LTE Access SON solution.





AirHarmony 4400

PRODUCT SUMMARY

AirHarmony 4400 Outdoor 4G LTE eNodeB

With Integrated Wireline Backhaul Options

AirHarmony 4400 is a Mini-Macro carrier-class LTE small cell eNodeB that supports 3GPP's latest LTE releases eNodeB specifications (software upgradeable). It provides high-speed data, mobility, Voice over LTE, and broadcast/multicast services in order to meet the demands of fixed and mobile LTE carriers.

Plug and Play

Full plug-and-play functionality, out-of-the-box to fully operational, within 20 minutes.

The Power of HetNets

Ideal for networks, delivering high data rates and significant cell size where needed most.

Broadband Access

Supports the latest 3GPP LTE broadband access technologies.

Integrated Wireline Backhaul

Supports various backhaul options including multiple fiber / copper interfaces which allows for a variety of network topologies.

Latest Release LTE Feature Sets

Supports the latest 3GPP Release feature sets (software upgradeable). Also includes support for SON and eICIC which enables N=1 frequency re-use with the Umbrella Macro cell.

Reduced CAPEX/OPEX

Can be installed without conventional indoor infrastructure, associated power and air-conditioning.

Radio Planning with SON

Designed to integrate with a standardized LTE Access SON solution.





Airspan's Strand Mounted Outdoor Small Cell

Rapid Deployment to Minimize Installation Costs

Airspan's AirStrand is an LTE licensed or lightly-licensed outdoor small cell with an integrated wireless backhaul connection, and is used where wireline backhaul is not available or not feasible. It is a zero-zoning outdoor small cell with enhanced capability, plug and play commissioning and network configuration tools that dramatically reduces installation time and costs and generates a highly favorable ROI.

Rapid Deployment

Installation time is reduced from the typical outdoor small cell time of 3 days to less than one hour via DOCSIS-single connection providing both backhaul and power.

All Major LTE Bands Supported

Operates in both LTE licensed and lightly-licensed bands.

Integrated Backhaul

Supports DOCSIS or wireline backhaul options.

Strand Mount

Compact form factor allows simple installation onto existing cables.

High Coverage/Throughput

4T4R channels configured as dual sector with LiteCoMP, dual carrier*.

Enhanced AirSON

Provides self-configuration, integrated intelligence and automatic interference management with minimal operations staff impact.

Smart Antenna

Consists of 15 remotely configured or automated antenna patterns for Beamshaping.





AirSpeed 1000 Outdoor Pico Small Cell

Dual Sector/Carrier Compact eNB

The AirSpeed 1000 is part of Airspan's carrier-class, LTE small cell, eNodeB family. It is a Pico class product that supports 3GPP's Long Term Evolution (LTE) eNodeB specifications, providing high-speed data, mobility, Voice over LTE, and broadcast/multicast services in order to meet the demands of the LTE fixed and Mobile Carriers.

Easy to Install

Single Mounting + Power only.

All Major LTE Bands Supported

Operates in LTE licensed and Lightly-licensed Bands.

Integrated Backhaul

Integrated wireline backhaul.

Various Deployment Scenarios

Compact form factor allows simple installation on rooftops, walls and poles.

High Coverage/Throughput

4T4R channels configured as dual sector with LiteCoMP, dual carrier*.

Enhanced AirSON

Fast commissioning and network configuration.

Latest Release LTE Feature Sets

Supports the latest 3GPP Release feature sets (software upgradeable). Also includes support for SON and eCIC which enables N=1 frequency re-use with the Umbrella Macro cell.





AirSpeed 1030 Compact Outdoor Small Cell With Dual Sector Smart Beam Antennas

The AirSpeed 1030 is part of Airspan's carrier-class, LTE small cell, eNodeB family. It is a high powered Pico class product with integrated dual sector front mount smart beam antennas that provides high-speed data, mobility, Voice over LTE, and broadcast/multicast services in order to meet the demands of the LTE fixed and Mobile Carriers.

Easy to Install

Single Mounting + Power only.

All Major LTE Bands Supported

Operates in LTE licensed and Lightly-licensed Bands.

Integrated Backhaul

Supports wireline backhaul options.

Various Deployment Scenarios

Compact form factor allows simple installation on rooftops, walls and poles.

High Coverage/Throughput

4T4R channels configured as dual sector with LiteCoMP, dual carrier*.

Enhanced AirSON

Fast commissioning and network configuration.

Latest Release LTE Feature Sets

Supports the latest 3GPP Release feature sets (software upgradeable). Also includes support for SON and eCIC which enables N=1 frequency re-use with the Umbrella Macro cell.





AirSpeed 1050 Compact Outdoor Small Cell With Dual Sector Smart Beam Antennas

The AirSpeed 1050 is part of Airspan's carrier-class, LTE small cell, eNodeB family. It is a Pico class product that supports 3GPP's Long Term Evolution (LTE) eNodeB specifications, providing high-speed data, mobility, Voice over LTE, and broadcast/multicast services in order to meet the demands of the LTE fixed and Mobile Carriers.

Easy to Install

Single Mounting + Power only.

All Major LTE Bands Supported

Operates in LTE licensed and Lightly-licensed Bands.

Integrated Backhaul

Supports wireline backhaul options.

Various Deployment Scenarios

Compact form factor allows simple installation on rooftops, walls and poles.

High Coverage/Throughput

4T4R channels configured as dual sector with LiteCoMP, dual carrier*.

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Fast commissioning and network configuration.

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