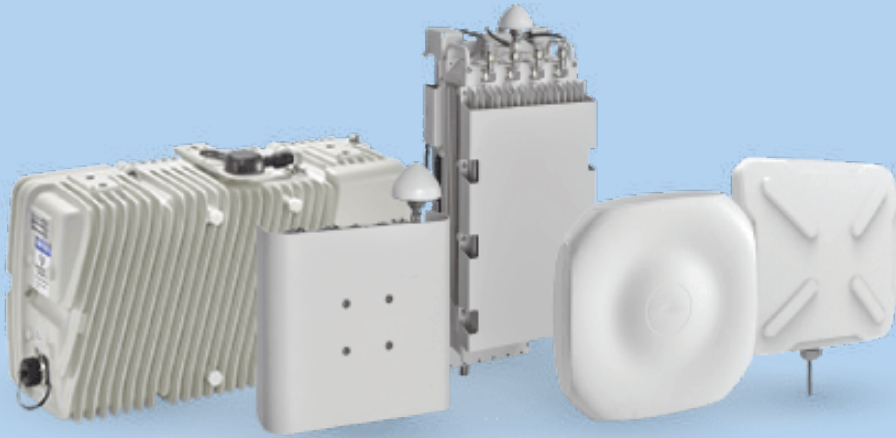


Airspan



PROVEN, END-TO-END CBRS SOLUTIONS

Available at Winncom



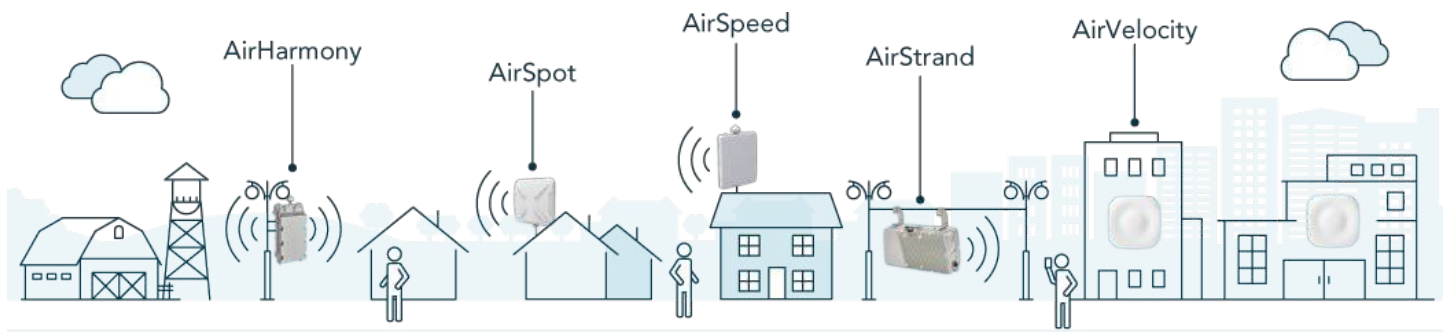
Airspan

Airspan

Airspan's CBRS portfolio leverages multi-award-winning LTE technology to deliver new private, public and hybrid solutions that maximize spectral efficiency, disrupt network TCO models and dramatically reduce deployment time and risk.

Airspan's toolkit opens new business opportunities and revenue streams including Private LTE services, Fixed-Wireless Access, Mobile Hotspots and Wireless Backhaul for a wide variety of markets including transportation, retail, enterprise, entertainment, manufacturing, ports, and logistics.

Airspan has created the most complete and feature-rich CBRS solutions on the market based on proven award-winning platforms and leading-edge operational technology.



Winncom is **YOUR** Certified, Full-Service **CBRS** Solutions Expert

Maximize the CBRS band's full potential with Product Solutions & Network Design from Winncom Technologies' Certified Engineers

Our in-house lab and onsite support team make it easy!

Winncom Technologies is your only go-to company uniquely positioned to serve your CBRS needs. We are CPI certified with full engineering capabilities to help you where you need it most. We work side by side with a multitude of vendor partners to get you the right solution and full support for your CBRS project.

• **Core or EPC • Open RAN • 5G • LTE • CPE • E node B**



Winncom Technologies is a proud member of OnGo Alliance.



AIRSPPEED 1030

BASE STATION NODE

AirSpeed 1030, 3550 – 3700 MHz (B48, B42H, B43L),
Dual Sector, Integrated Antenna, DC
[AS103-U48-B03DP](#)

LTE SW RTU License (per node) for AirSpeed, AirStrand
[VEL-SW-LTE-RTU-O](#)

Dual-Carrier/Sector license
[VEL-SW-DUALC-O](#)

AirSON Commissioning Package SW License
[VEL-SW-ASON-2-O](#)

MOUNTING & GPS CONNECTORS

AirSpeed 1030/1035 universal pole and wall Mounting KIT
[AS103-U-PMK-1](#)

GPS Antenna with Interference Rejection
[GPS-ANT-4](#)

Connector Adapter SFP (AirSpeed 1030)
[CON-ADP-OCT-SFP-IR](#)

Connector Adapter RJ45 (AirSpeed 1035/1050)
[CON-ADP-OCT-RJ45-IR](#)

Connector Adapter DC Power (1030)
[CON-OCT-DC-PWR-IR](#)

SOFTWARE & FEATURE LICENSES

AirSON Optimization Package SW License
[VEL-SW-ASON-3-O](#)

IEEE1588-2008 Timing Slave (per node)
for AirVelocity, AirSpeed, AirStrand
[VEL-SW-PTP-SLAVE](#)

ROHC SW License
[BS-SW-ROHC-1](#)

OPTIONAL OR ALTERNATIVE HARDWARE

Serial debug cable RJ45 to 2x D Type, 2x BNC
[CBL-SRL-RJ45-2D-2B-1](#)



AIRSPOT 1310

CPE CBSD CAT-B CAT6

LTE ODU, B42H, 43L, 48, C6, PoE, US plug
For CBRS Only
[My-Pro-SW-B42H-43L-48-C6-CB](#)



AIRSPOT 5410

CPE CBSD CAT-B CAT12

LTE ODU, B42H, 43L, 48, C12, PoE, US plug,
For CBRS Only
[My-Pro-FC-B42H-43L-48-C12-CB](#)



AIRVELOCITY 1500

BASE STATION NODE

AirVelocity 1500 3500–3700MHz (B48,B42H,B43L)

[VNG15-U48-B08P3D](#)

LTE SW RTU License (per node)
for AirVelocity, AirUnity, AirDensity
[VEL-SW-LTE-RTU-I](#)

Dual-Carrier/Sector license
[VEL-SW-DUALC-I](#)

AirSON Commissioning Package SW License
[VEL-SW-ASON-2-I](#)

MOUNTING & POWER SUPPLY

AirVelocity 1500 (Ceiling/Suspended) Ceiling Mounting Kit
[VNG15-SCMK-1](#)

AirVelocity 1500 DC PSU Kit, AC ADAPTER,60W,100–240VAC,
12VDC/5A&US AC Cable
[VNG-PSU-US-ID-AC-1](#)

AirVelocity 1500 POE++ injector kit, POE++ PSU,60W,
100–240VAC 56VDC/1.2A&US AC Cable
[VNG-PSU-US-ID-POEpp1](#)

SOFTWARE & FEATURE LICENSES

AirSON Optimization Package SW License (per node)
for AirVelocity, AirUnity, AirDensity
[VEL-SW-ASON-3-I](#)

IEEE1588–2008 Timing Slave (per node)
for AirVelocity, AirSpeed, AirStrand
[VEL-SW-PTP-SLAVE](#)

ROHC SW License
[BS-SW-ROHC-1](#)

OPTIONAL OR ALTERNATIVE HARDWARE

AirVelocity 1500 Ceiling Mounting Kit
[VNG15-CMK-1](#)

AirVelocity GPS antenna KIT 10m – Antenna + mounting
+ 10m cable with SMA-M to SMA-F connectors
[VEL-GPS-KIT-10](#)

Serial debug cable RJ45 to 2x D Type, 2x BNC
[CBL-SRL-RJ45-2D-2B-1](#)

OPTIONAL EXTERNAL 3.5GHz ANTENNAS

Dual 33 deg Antenna, 3300–3800MHz 20.5dBi
DIN4.3/10 0 deg tilt. Mounting included
[SEC33X-3.5-D4.3-T0-1](#)

Dual 65 deg Antenna,3300–3800MHz 18dBi
DIN 4.3/10 0 deg tilt. Mounting included
[SEC65X-3.5-D4.3-T0-1](#)

Dual Omni Antenna,3300–3800MHz MET 8.5dBi
DIN 4.3/10 Mounting included
[D-OMNI-3.5-D4.3-MET-1](#)

Quad 33 deg Antenna,3300–3800MHz 19.5dBi
DIN 4.3/10 0 deg tilt. Mounting included
[SEC33Q-3.5-D4.3-T0-1](#)

Quad 65 deg Antenna,3300–3800MHz 18dBi
DIN 4.3/10 0 deg tilt. Mounting included
[SEC60Q-3.5-D4.3-T0-1](#)

Quad 65 deg Antenna,3300–3800MHz MET 17.9dBi
DIN 4.3/10 0 deg tilt. Mounting included
[SEC65Q-3.5-D4.3-MET-1](#)

Quad Omni Antenna, 3300–4200MHz 13dBi
DIN 4.3/10 0 deg tilt. Mounting included
[Q-OMNI-3.5-D4.3-T0-1](#)



AS PLUS SUPPORT

Standard ASPlus

Within warranty period of order, per 12 months - 7%

[ASPLUS-STD-12-IW](#)

Additional yearly support and warranty - Optional

(beyond the first year) - 12%

[ASPLUS-STD-12-OW](#)

NETSPAN ELEMENT MANAGEMENT REQUIRED LICENSES

AIR INTERFACE LICENSE

Netspan Air Interface License for all outdoor eNBs - Airharmony

[NS-AIL-0-299-1](#) One per Air Harmony Radio

Netspan Small Cell Air Interface License (per node)

for outdoor units - Airspeed 1030

[NS-AIL-SYN-ALL-O](#) One per Airspeed Radio

Netspan Small Cell Air Interface License (per node)

for indoor units

[NS-AIL-SYN-ALL-I](#) One per AirVelocity Radio

CBRS MANAGEMENT LICENSE

Netspan CBRS Domain Proxy X509 Certificate Licence,
5 years validity - one time cost

[NS-CBRS-DP-5-X509](#) One per CBRS Network

Netspan CBRS Domain Proxy Licence -

per netspan instance - one time cost

[NS-CBRS-DP](#) One per CBRS Network

Netspan CBRS Access Licence <51 - per CBSD

[NS-CBSD-0-50-1](#) One per radio in the CBRS Network

(for first 50 radios in the Network)

Netspan CBRS Access Licence 50+ - per CBSD

[NS-CBSD-51-1](#) One per radio in the CBRS Network

(for every radio after the first 50 radios in the Network)

NETSPAN OPTIONAL LICENSES

General Netspan License

Graphical Performance Management

[NS-GRAPH-0](#)

Node Search - Advanced equipment search and filtering

[NS-NODESEARCH-0](#)

Nodes on Map

[NS-MAP-0](#)

Syslog related to Netspan User Management

[NS-SYSLOG-0](#)

REDUNDANT NETSPAN / DOMAIN PROXY LICENSE

Multi Server & Redundancy

[NS-REDUN-0](#)

Auto Failover from Netspan server to Standby Domain Proxy

[NS-DP-HA](#)

NETSPAN NORTHBOUND INTERFACE

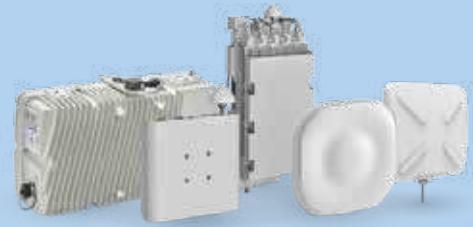
Netspan Northbound Interface

[NS-NBIF-EXT-0](#)

Airspan



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RF Modeling, BOM Generation,
Wireless Network Design

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