Airspan

PROVEN, END–TO–END
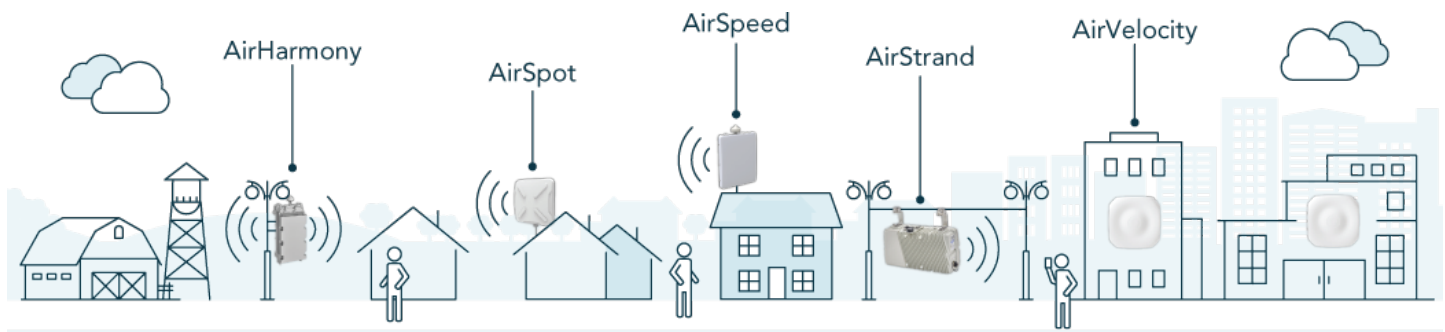# CBRS SOLUTIONS

Available at Winncom

Winncom Technologies

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.

AIRSPEED 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-1R

Connector Adapter RJ45 (AirSpeed 1035/1050)
CON-ADP-OCT-RJ45-1R

Connector Adapter DC Power (1030)
CON-OCT-DC-PWR-1R

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
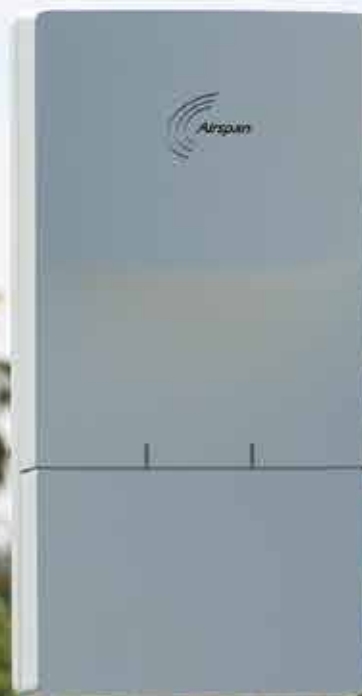
Auto Failover from Netspan server to Standby Domain Proxy
NS-DP-HA

NETSPAN NORTHBOUND INTERFACE

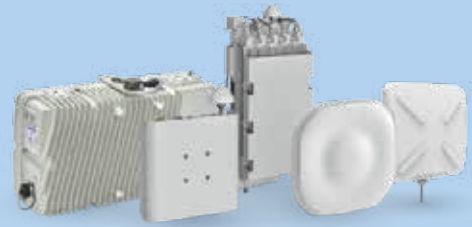Netspan Northbound Interface
NS-NBIF-EXT-0

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