



Base Station Antennas for Macro and Small Cell Deployments

An Ordering Guide for Europe

July 2020

COMMScope®

The strength and reliability of your network are depended on like never before to keep people connected.

As the 5G era ramps up, the physical layer in RAN infrastructures is suddenly becoming a lot more complicated to support both legacy and new technologies. Partnering with CommScope can help ease these challenges.

CommScope takes a system-level approach—understanding the interoperability of each antenna line component. We listen to our customers so we can provide solutions that are compatible with any major OEM radio. Where advanced designs are needed, CommScope works with RF engineers worldwide to develop the right solution. For small cells, we also provide site solutions that include base station antennas, filter and cable products, and concealment solutions. This ordering guide focuses on base station antennas.

Our base station antenna systems include a wide range of options for diverse applications. Additionally, each new design is validated through stringent testing to assure its construction and performance will withstand real-world conditions over time. Environmental testing for CommScope base station antennas follows IEC 60068-2 methods and ETS 300 019-1-4 class 4.1E criteria. We also follow BASTA as the antenna measurements guideline.

CommScope invites you to talk with us about your challenges and experience our capabilities to quickly find the best solution for your network requirements.



[Built to perform, built to last](#)



[PIM excellence](#)

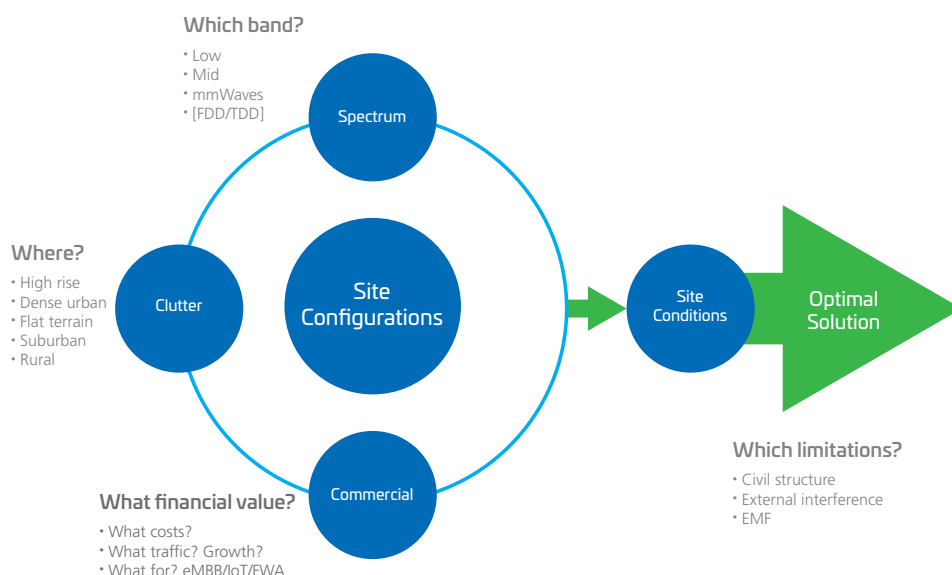




5G RAN upgrade paths will need a diverse set of approaches, as there is no “one-size-fits-all” solution that accommodates the numerous factors to consider.

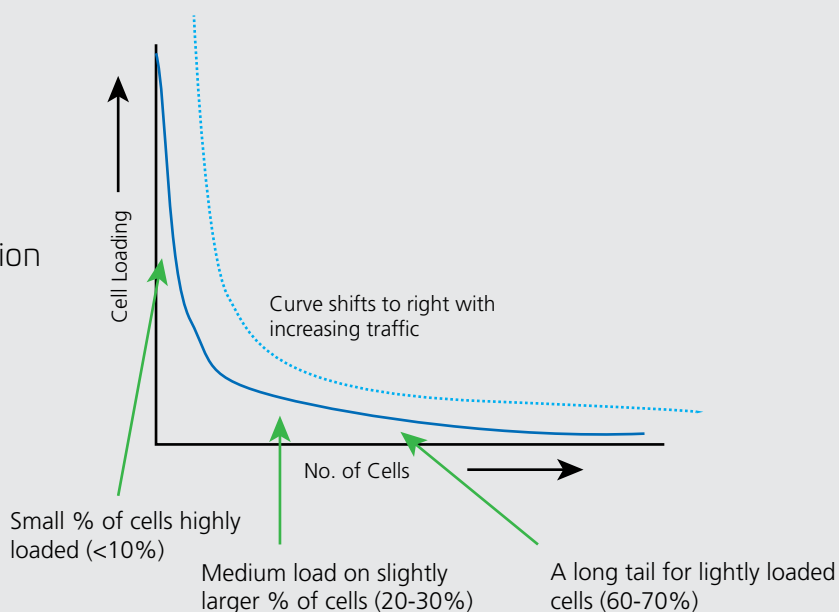
Site configuration factors

- Spectrum
- Clutter
- Commercial value



A small percentage of cell sites are reaching capacity limitations. In these cases, it makes sense to invest in higher performance solutions such as massive MIMO. A mix of active and passive solutions may address capacity demands for medium traffic loads, while a majority of lightly loaded sites could benefit from a more pragmatic, cost-effective approach with passive solutions (e.g., 4T4R, 8T8R beamforming, multibeam, hybrid FDD/TDD).

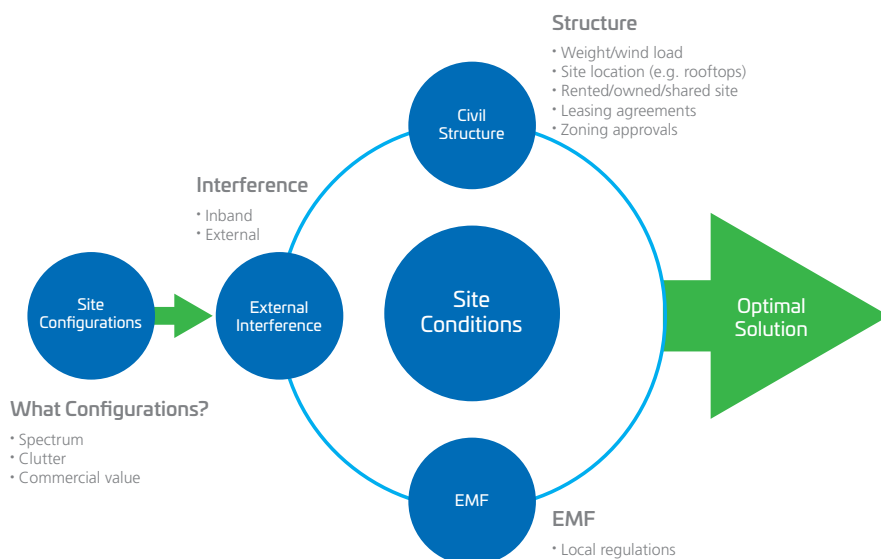
Typical Cells vs. Load Distribution During Busy Hour



Site conditions may require a careful look at the type of approach taken in your 5G upgrade plans. If the structure cannot bear more weight or wind loading, consolidated antenna designs could be the best solution to reduce the number of antennas on the site.

Site condition factors

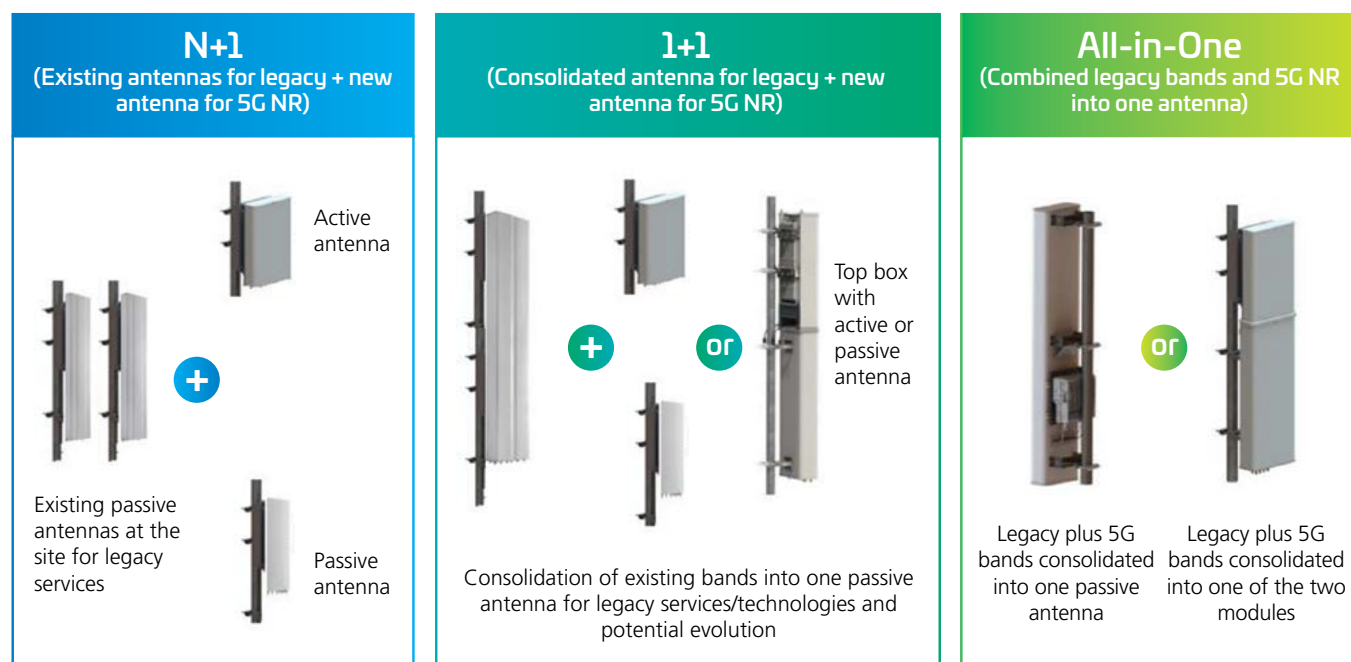
- Civil structure
- External interference
- EMF

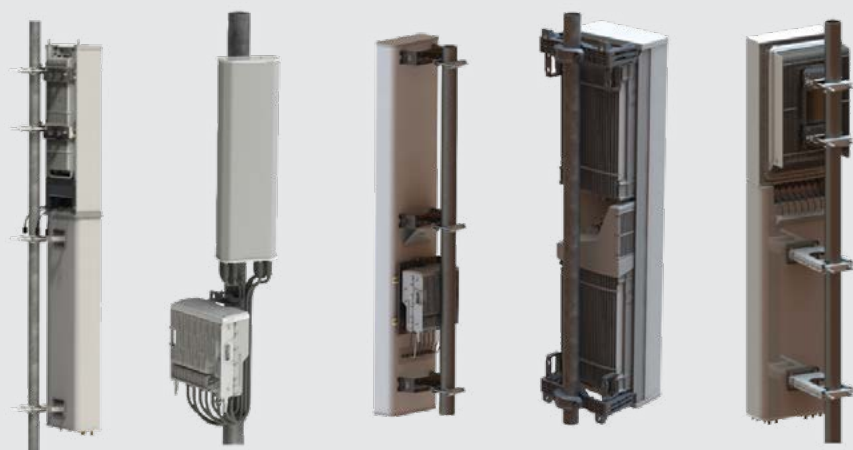


These designs can help you avoid rises in rental fees and deployment delays that can occur from local zoning restrictions. Depending on the site layout and location, the issue of external interference could cause a drain on the overall capacity. The location of a site could also add the need for special consideration when it comes to power emissions. For instance, high-end beamforming gain may require a site to be turned down, or require building owners to seek special permission to access the roof.

5G toolbox

A mixed toolbox of active and passive solutions is needed to address the diverse site configurations and conditions when upgrading to 5G. Here we see three deployment approaches and key selection criteria.





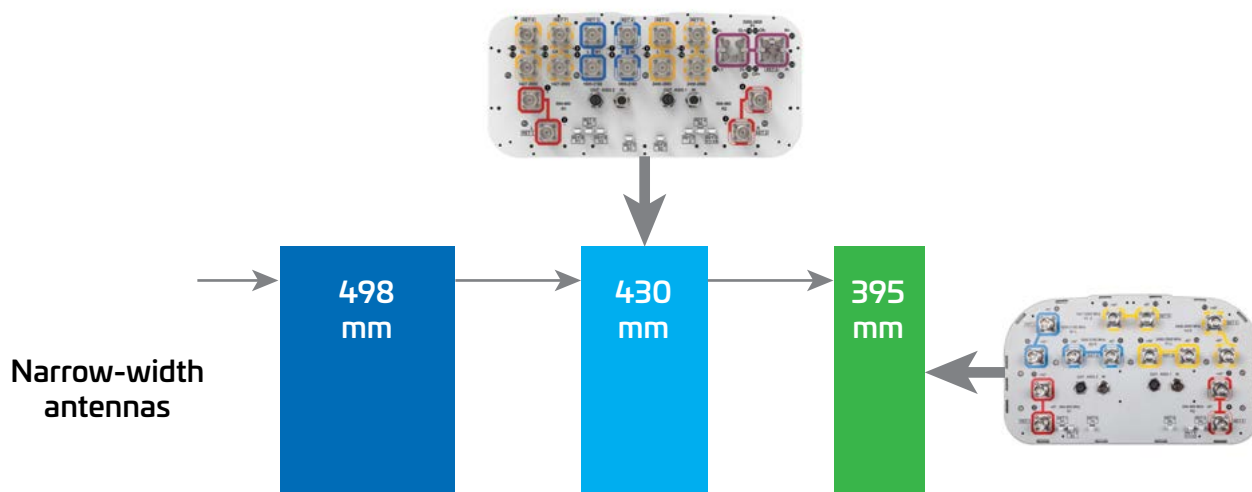
A toolbox of passive and active solutions is required for 5G

Key selection criteria:

- Coverage (non-standalone/standalone)
- Capacity
- OpEx (energy cost)
- Time to benefits
- EMF considerations
- Elevation plane beamforming
- Impact on existing technologies/sites
- Deployment constraints
- Antenna or site sharing strategies
- Predictability
- Total cost of ownership/business case

Narrow-width antennas designed for structurally challenged sites

Our portfolio of narrow-width antennas helps operators address 5G deployments on sites that cannot support added weight or wind load. Options include 498, 430 and 395 mm widths.



Antenna Color Coding

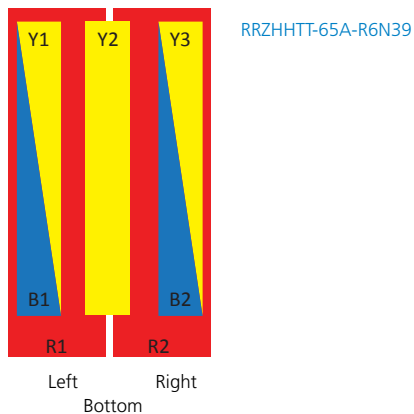
According to AISG standards, color coding is used to identify antenna RF ports and their associated AISG control ports. Color definitions are associated with the RAL codes used for RF frequency ranges.

Frequency Range	Assigned Colour Code	Abbreviation
380 – 1000 MHz	RAL 3020	R
1001 – 1700 MHz	RAL 6029	G
1701 – 2300 MHz	RAL 5015	B
2301 – 3000 MHz	RAL 1023	Y
3001 – 5000 MHz	RAL 4006	P
5001 – 6000 MHz	RAL 2009	O

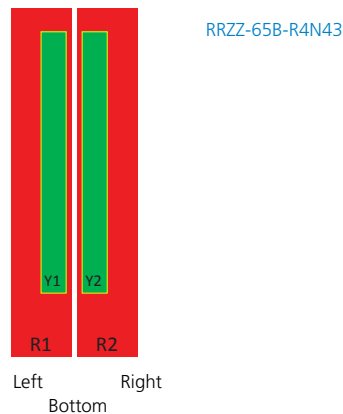
CommScope Antenna Array Symbols employ “AISG Color Coding” to provide guidance in identifying desired RF frequency band, or combination of frequency bands, supported by a certain Antenna Model. Additionally, the Antenna Array Symbols illustrate the number of arrays for each frequency band and the array positions inside the Antenna. The number of arrays for a frequency band is indicated by the numerical digit that follows the abbreviated letter in the Antenna Array Symbol.

Antenna Array Symbols

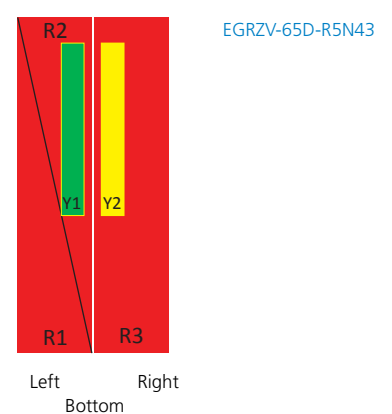
Configuration Type A



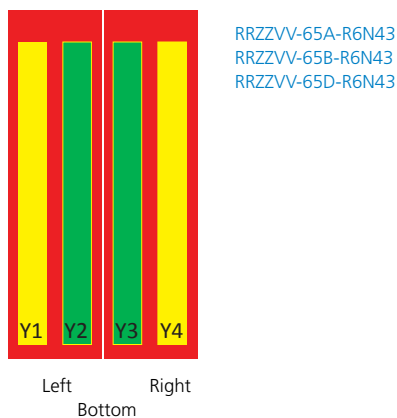
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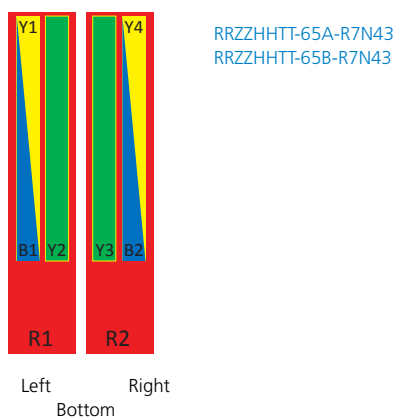
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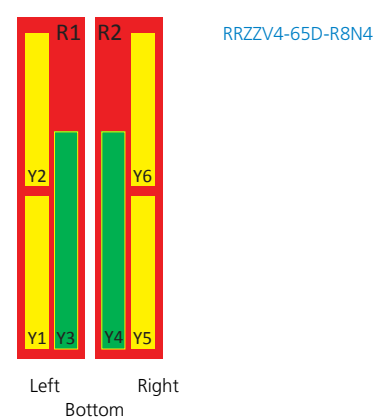
Configuration Type D



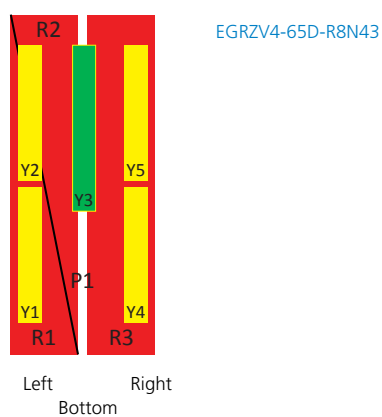
Configuration Type E



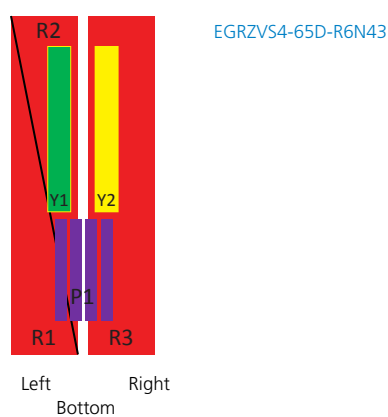
Configuration Type F



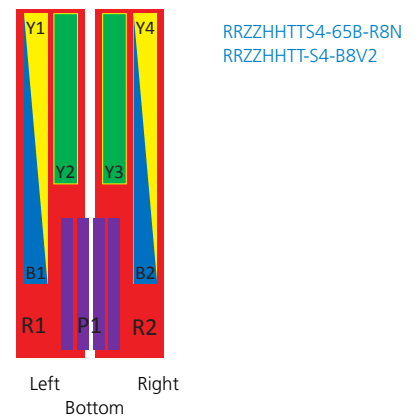
Configuration Type G



Configuration Type H



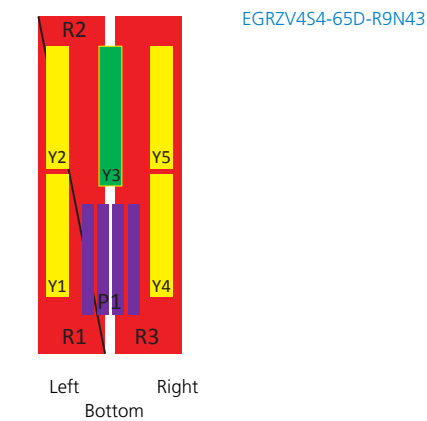
Configuration Type I



A-Z array types illustrate configurations for antennas with narrow width designs and/or antennas that support FDD + TDD or TDD. Numerical array types illustrate configurations for all other sector antenna models.

Antenna Array Symbols

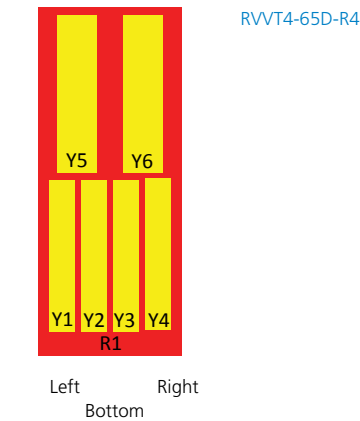
Configuration Type J



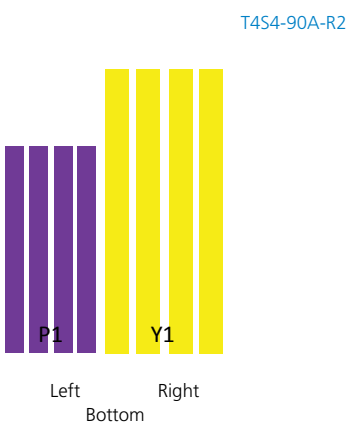
Configuration Type K



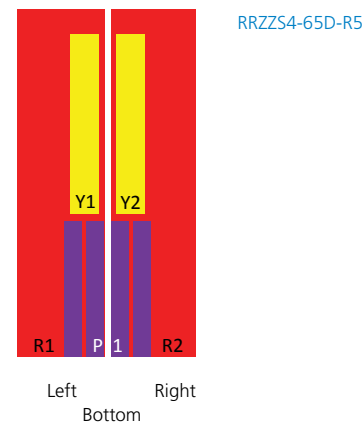
Configuration Type L



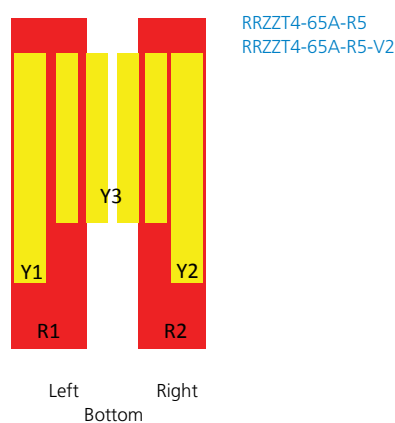
Configuration Type M



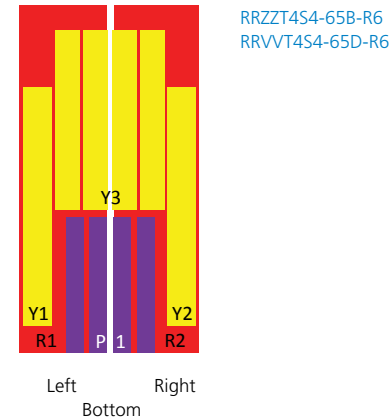
Configuration Type N



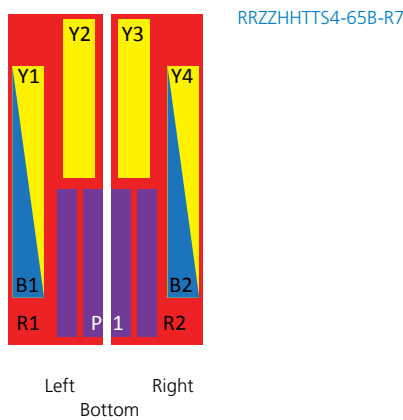
Configuration Type O



Configuration Type P



Configuration Type Q



Antenna Array Symbols

Configuration Type 1



R1

Bottom

DB654DG65A-C
LDX-3319DS-VTM
LDX-6513DS-VTM
LDX-6515DS-VTM
LDX-6516DS-VTM
LDX-9013DS-VTM
LDX-9014DS-VTM
LNX-6513DS-A1M
LNX-6514DS-A1M
LNX-6515DS-VTM
LNX-8514DS-A1M
LRX-8512DS-VTM

Configuration Type 2



B1

Bottom

HBX-3319DS-VTM
HBX-6513DS-VTM
HBX-6516DS-VTM
HBX-6517DS-VTM
HBX-9016DS-VTM

Configuration Type 3

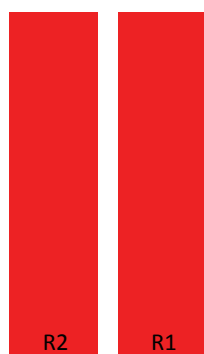


Y1

Bottom

HWX-6516DS1-VTM

Configuration Type 4



R2

R1

Left Right
Bottom

LDXX-6515DS-VTM
LDXX-6516DS-VTM
LDXX-6516DS-VTM-C3
LDXX-9013DS-VTM
RR-65B-R2

Configuration Type 5



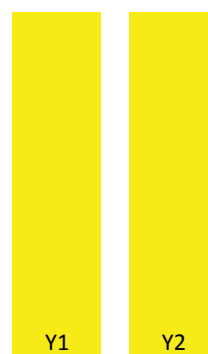
B1

B2

Left Right
Bottom

HBXX-3319DS-VTM
HBXX-6513DS-VTM
HBXX-6516DS-VTM
HBXX-6517DS-VTM
HBXX-9014DS-VTM
HBXX-9016DS-VTM

Configuration Type 6



Y1

Y2

Left Right
Bottom

HWXX-6516DS1-VTM
HWXX-6516DS1-VTMV2
SSPX310R-V2
VV-65A-R1B
VV-65A-R1B-V2
VV-65A-R2
VV-65A-R2-V2
VV-65B-R1B
VV-65B-R1B-V2
VV-65B-R2
VVPX310R-V5

Configuration Type 7



P1

P2

Left Right
Bottom

SSPX310R-V2

Configuration Type 8



B1

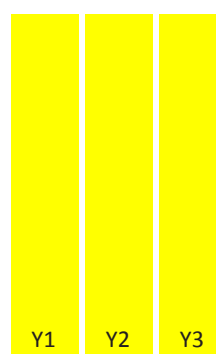
B2

B3

Left Right
Bottom

HBXXX-6516DS-VTM

Configuration Type 9



Y1

Y2

Y3

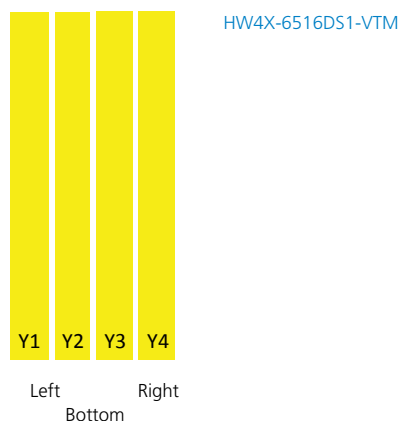
Left Right
Bottom

HWXXX-6516DS-VTM
HWXXX-6516DS-A3M
V3-65A-R3
V3-65A-R3-V4

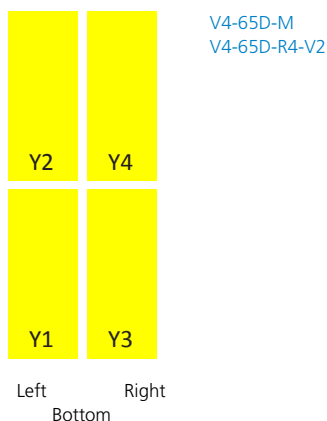
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Antenna Array Symbols

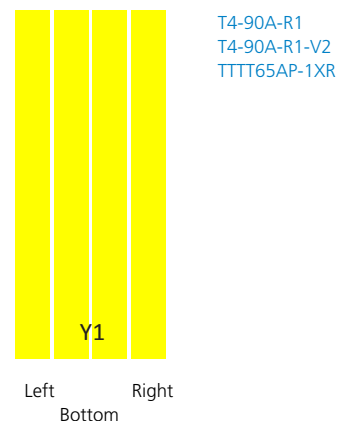
Configuration Type 10



Configuration Type 11



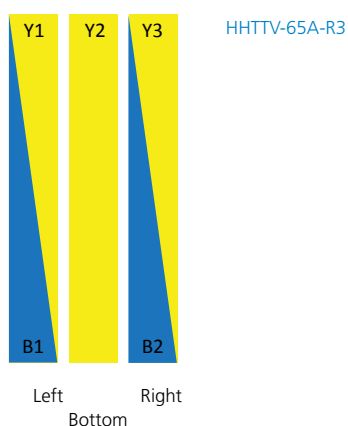
Configuration Type 12



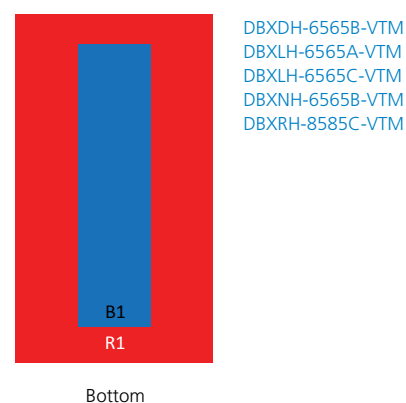
Configuration Type 13



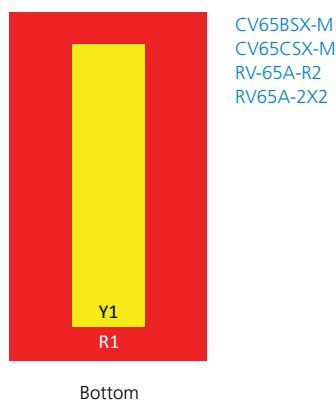
Configuration Type 14



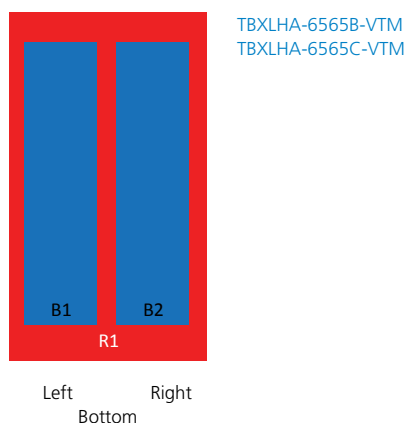
Configuration Type 15



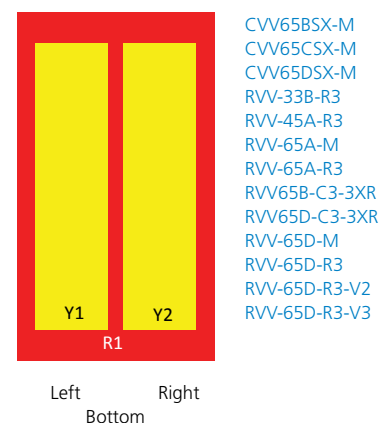
Configuration Type 16



Configuration Type 17

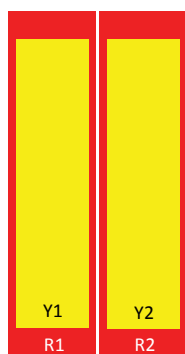


Configuration Type 18



Antenna Array Symbols

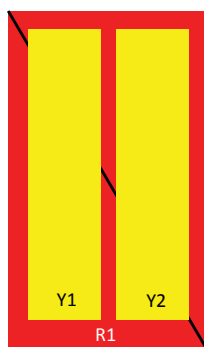
Configuration Type 19



Left Bottom Right

RRVV-65B-R4-V2
RRVV-65D-R4
RRVV-65D-R4-V2
RRZZ-65A-R4
RRZZ-65A-R4-V2
RRZZ-65B-R4

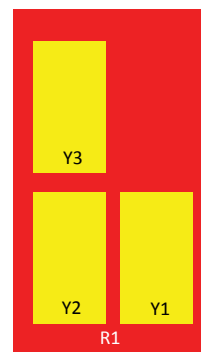
Configuration Type 20



Left Bottom Right

EGVV65A-FL-C3-4XR
EGVV65B-FL-C3-4XR
EGVV65D-FL-C3-4XR

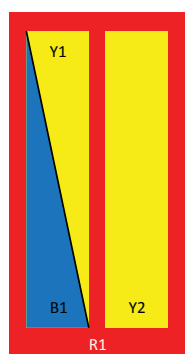
Configuration Type 21



Left Bottom Right

CV3PX308R1
RV3-65D-R4-V2
RV3-65D-R4-V3

Configuration Type 22



Left Bottom Right

RHTV65A-FH-C3-4XR

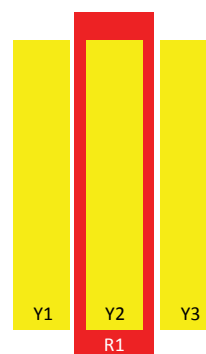
Configuration Type 23



Left Bottom Right

RYVV-65A-R4
RYVV-65B-R4

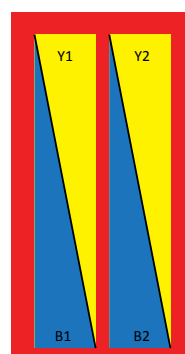
Configuration Type 24



Left Bottom Right

RZVV-65A-R4
RZVV-65B-R4

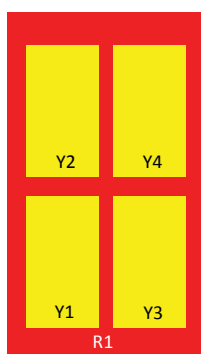
Configuration Type 25



Left Bottom Right

DHHTT65B-3XR
RHHTT-65A-R4
RHHTT-65A-R4-V2

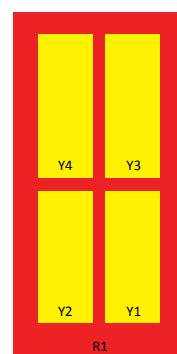
Configuration Type 26



Left Bottom Right

RV4-65B-R5
RV4-65B-R5-V2
RV4-65B-R5-V3
RV4-65D-M
RV4-65D-M-V2
RV4-65D-R5-V10

Configuration Type 27



Left Bottom Right

RV4PX306R

Antenna Array Symbols

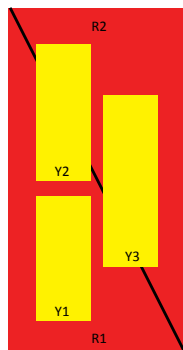
Configuration Type 28



EGHTV65B-F-C3-5XR

Left Bottom Right

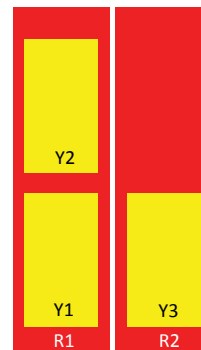
Configuration Type 29



EGV365D-FL-C3-5XR

Left Bottom Right

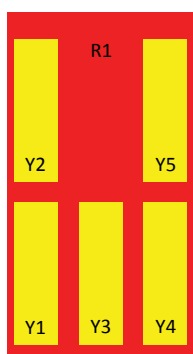
Configuration Type 30



RRV3-65D-R5

Left Bottom Right

Configuration Type 31



RZV4-65D-R6

Left Bottom Right

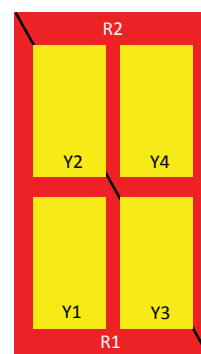
Configuration Type 32



RVHHTT-65A-R5

Left Bottom Right

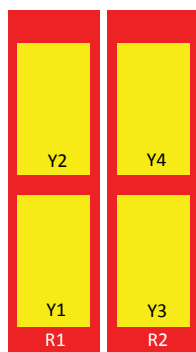
Configuration Type 33



EGV4-65D-R6

Left Bottom Right

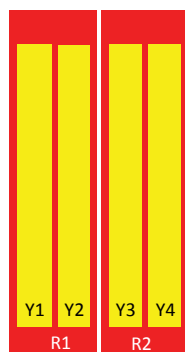
Configuration Type 34



R2V4PX306R
R2V4PX306R-V2
R2V4PX308R

Left Bottom Right

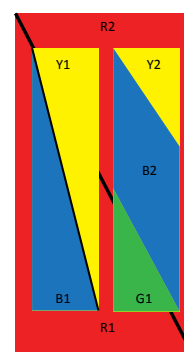
Configuration Type 35



RRV4-65A-R6
RRV4-65A-R6-V2
RRV4-65B-R6
RRV4-65C-R6
RRV4-65D-R6
RRV4-65D-R6-V2
RRZZVV-65A-R6H4

Left Bottom Right

Configuration Type 36

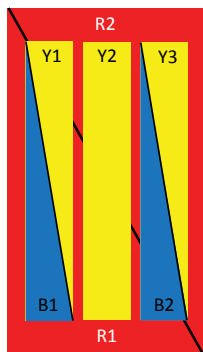


EGYHHTT-65A-R6
EGYHHTT-65B-R6
EGYHHTT-65B-R6V1

Left Bottom Right

Antenna Array Symbols

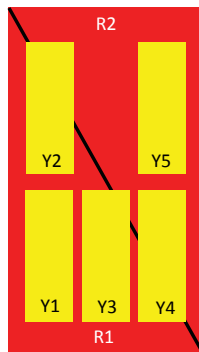
Configuration Type 37



EGZHHTT-65A-R6
EGZHHTT-65B-R6

Left Bottom Right

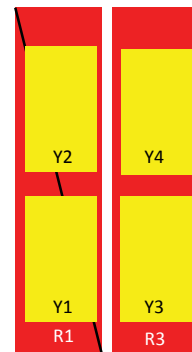
Configuration Type 38



EGZV4-65D-R6

Left Bottom Right

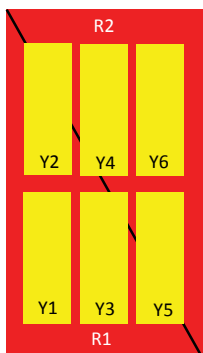
Configuration Type 39



EGRV4-65D-R6

Left Bottom Right

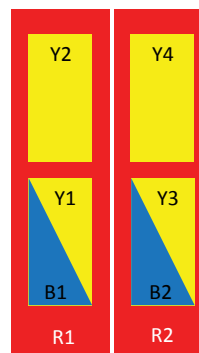
Configuration Type 40



EGZV5-65D-R6

Left Bottom Right

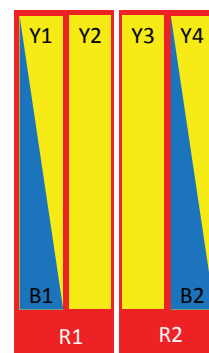
Configuration Type 41



RRVVHHTT-65D-R6

Left Bottom Right

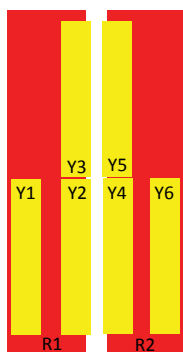
Configuration Type 42



RRZZHHTT-65A-R6H4
RRZZHHTT-65B-R6H4
RRZZHHTT-65D-R6

Left Bottom Right

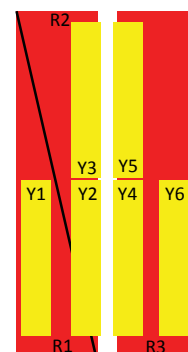
Configuration Type 43



RRZZV4-65D-R6H4

Left Bottom Right

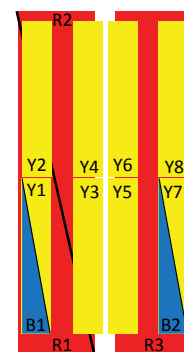
Configuration Type 44



EGRZZV4-65D-R8
EGRZZV4-65D-R8V2

Left Bottom Right

Configuration Type 45

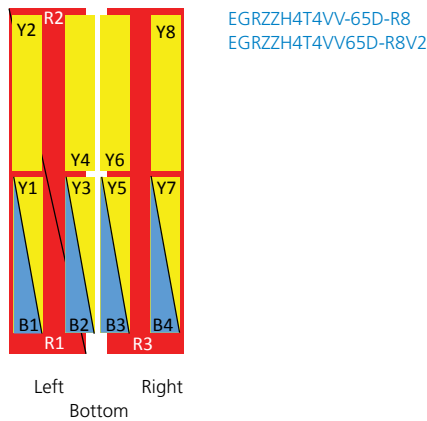


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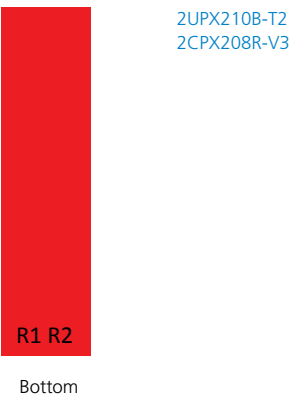
Left Bottom Right

Antenna Array Symbols

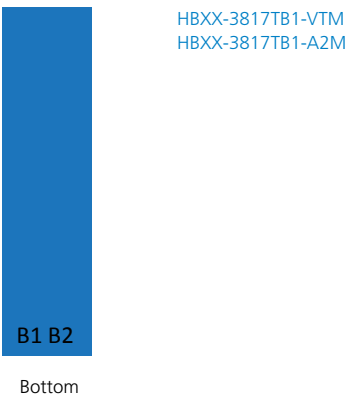
Configuration Type 46



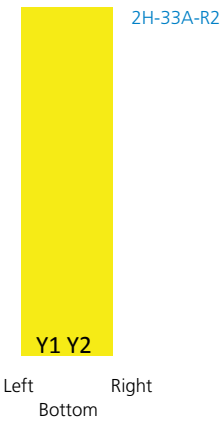
Configuration Type 47



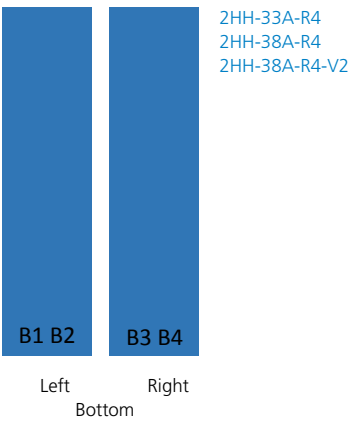
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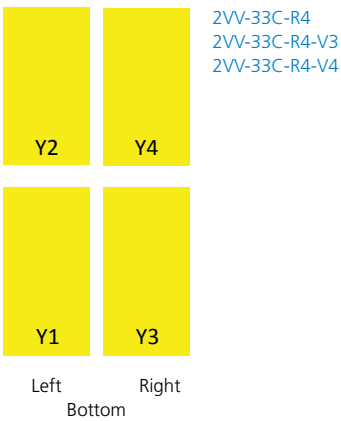
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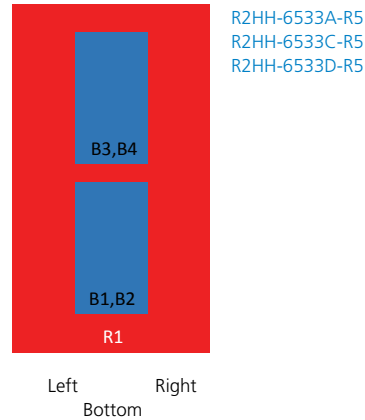
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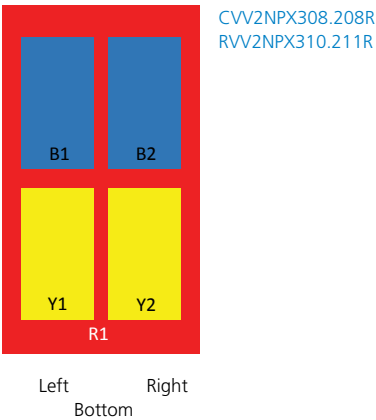
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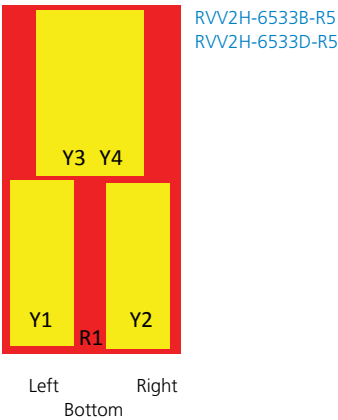
Configuration Type 52



Configuration Type 53



Configuration Type 54



Configuration Type 55

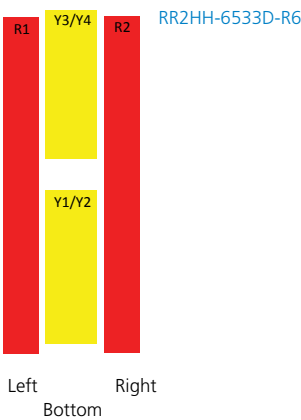


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Sector Antennas

Multiband 395mm Narrow-width FDD Antennas

694–960 MHz/1427–2690 MHz

14 Ports (2L5H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty	Array Type
RRZHHT-65A-R6N39	694–960 1427–2690 1695–2180 2490–2690	65°	13.1–13.6 15.2–18.1 16.7 17.9	3–16 2–12 2–12 2–12	1499	395	27.3	14	4.3-10 Female	6	Type A

Multiband 430mm Narrow-width FDD Antennas

694–960 MHz/1427–2690 MHz

8 Ports (2L2H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty	Array Type
RRZZ-65B-R4N43*	694–960 1427–2690	65°	14.8–15.3 16.0–18.3	2–12 2–12	2100	430	47.0	8	4.3-10 Female	4	Type B

10 Ports (3L2H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty	Array Type
EGRZV-65D-R5N43*	694–862 880–960 694–960 1427–2690 1695–2690	65°	15.6 16.1 16.3 16.2–18.2 18.2–18.7	2–12 2–12 2–12 2–12 2–12	2769	430	52.0	10	4.3-10 Female	5	Type C

* Please contact [CommScope Technical Support](#) to learn more about this product. Specifications are subject to change. Please visit our website for the latest specifications.

Sector Antennas

Multiband 430mm Narrow-width FDD Antennas

694–960 MHz/1427–2690 MHz

12 Ports (2L4H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty	Array Type
RRZZVV-65A-R6N43*	694–960 1427–2690 1695–2690	65°	12.4–13.2 13.6–17.1 16.1–17.0	2–12 2–12 2–12	1499	430	31.0	12	4.3-10 Female	6	Type D
RRZZVV-65B-R6N43*	694–960 1427–2690 1695–2690	65°	14.6–15.1 15.4–18.22 17.1–18.0	2–12 2–12 2–12	2100	430	43.0	12	4.3-10 Female	6	Type D
RRZZVV-65D-R6N43*	694–960 1427–2690 1695–2690	65°	15.5–16.2 15.7–18.0 17.1–18.0	2–12 2–12 2–12	2688	430	46.0	12	4.3-10 Female	6	Type D

16 Ports (2L6H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty	Array Type
RRZZHHTT-65A-R7N43*	694–960 1427–2690 1695–2180 2490–2690	65°	12.8–13.5 14.3–17.1 15.7 16.7	2–12 2–12 2–12 2–12	1499	430	32.0	16	4.3-10 Female	7	Type E
RRZZHHTT-65B-R7N43	694–960 1427–2690 1695–2180 2490–2690	65°	14.8–15.3 16.0–18.1 17.4 17.7	2–12 2–12 2–12 2–12	2100	430	49.7	16	4.3-10 Female	7	Type E
RRZZV4-65D-R8N4*	694–960 1427–2690 1695–2690	65°	15.2–15.6 15.7–18.0 16.8–17.6	2–12 2–12 2–12	2688	430	56.0	16	4.3-10 Female	8	Type F

16 Ports (3L5H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty	Array Type
EGRZV4-65D-R8N43*	694–862 880–960 694–960 1427–2690 1695–2690	65°	15.3 15.6 15.9 16.2–18.0 16.5–17.6	2–12 2–12 2–12 2–12 2–12	2769	430	56.0	16	4.3-10 Female	8	Type G

* Please contact [CommScope Technical Support](#) to learn more about this product.
Specifications are subject to change. Please visit our website for the latest specifications.

Sector Antennas

Multiband 430mm Narrow-width FDD+TDD Antennas

694–960 MHz/1427–2690 MHz/3300–3800 MHz

18 Ports

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty	Array Type
EGRZVS4-65D-R6N43*	694–862	65°	15.6	2–12	2769	430	55.0	18	4.3-10 Female	6	Type H
	880–960		16.1	2–12							
	694–960		16.3	2–12							
	427–2690		16.2–18.2	2–12							
	1695–2690		18.2–18.7	2–12							
	3300–3800		15.8	2–12							

24 Ports

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty	Array Type
RRZZHHTTS4-65B-R8N	694–960	65°	14.7	2–10	2100	430	47.0	24	4.3-10 Female	8	Type I
	1427–1518		14.0	2–10							
	1695–2180		16.8	2–10							
	2490–2690		17.5	2–10							
	3300–3800		15.6	2–10							
RRZZHHTT-S4-B8V2*	694–960	65°	14.7	2–10	2100	430	47.0	24	4.3-10 Female	8	Type I
	1427–2690		14.0	2–10							
	1695–2180		16.8	2–10							
	2490–2690		17.5	2–10							
	3300–3800		15.6	2–10							
EGRZV4S4-65D-R9N43*	694–862	65°	15.6	2–12	2767	430	52.0	24	4.3-10 Female	9	Type J
	880–960		16.1	2–12							
	694–960		16.3	2–12							
	1427–2690		16.2–18.2	2–12							
	1695–2690		17.4–18.0	2–12							
	3300–3800		15.8	2–12							

* Please contact [CommScope Technical Support](#) to learn more about this product.
Specifications are subject to change. Please visit our website for the latest specifications.

Sector Antennas

Multiband FDD + TDD/TDD Antennas

694–960 MHz/1427–2690 MHz/3300–3800 MHz

12 Ports (12H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty	Array Type
HHT4-65B-R2	1850–1995 2490–2690	65°	17.4 17.6	0–8 0–8	1820	320	24	12	4.1-9.5 DIN Female	2	Type K

14 Ports

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty	Array Type
RVVT4-65D-R4	694–960 1695–2690 2300–2690	65°	16.6–17.3 16.8–17.3 16.4–16.3	0–10 2–12 2–12	2688	350	37.8	14	4.3-10 Female	4	Type L

16 Ports

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty	Array Type
T4S4-90A-R2	2300–2690 3300–3800	90°	16.5 15.7–16.1	2–12 2–12	1499	498	31.5	16	4.3-10 Female	2	Type M
RRZS4-65D-R5	694–960 1427–2690 3300–3800	65°	15.9–16.8 15.3–17.7 16.5	2–12 2–12 2–12	2688	498	47	16	4.3-10 Female	5	Type N
RRZT4-65A-R5	694–960 1427–2690 2300–2690	65°	13.2–13.4 15.4–18.3 16.5	2–16 2–12 2–12	1499	498	36.5	16	4.3-10 Female	5	Type O
RRZT4-65A-R5-V2	694–960 1427–2690 2300–2690	65°	13.2–13.5 15.4–18.3 16.5	2–16 2–12 2–12	1499	498	36.5	16	4.3-10 Female	5	Type O

Specifications are subject to change. Please visit our website for the latest specifications.

Sector Antennas

Multiband FDD + TDD/TDD Antennas

694–960 MHz/1427–2690 MHz/3300–3800 MHz

24 Ports

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty	Array Type
RRZZT4S4-65B-R6	694–960 1427–2690 2300–2690 3300–3800	65° 90°	15.1–15.6 16.0–18.3 15.3 15.9	2–12 2–12 2–12 2–12	2100	498	47.6	24	4.3-10 Female	6	Type P
RRVVT4S4-65D-R6	694–960 1695–2690 2300–2690 3300–3800	65° 90°	15.8–16.5 18.3–19.2 16.0 15.9	2–12 2–12 2–12 2–12	2688	498	56.8	24	M-LOC 4.3-10 Female	6	Type P
RRZZHHTTS4-65B-R7	694–960 1427–2690 1695–2180 2490–2690 3300–3800	65° 90°	14.7–15.3 15.0–17.0 17.9 18.7 16.0	2–12 2–12 2–12 2–12 2–12	2100	498	47	24	4.3-10 Female	7	Type Q

Specifications are subject to change. Please visit our website for the latest specifications.

Sector Antennas

Single Band Antennas

Low Band 410–960 MHz

2 Ports

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty	Array Type
DB654DG65A-C	410–512	65	15	0	1981	483	19.00	2	7-16 DIN Female	0	Type 1
LDX-3319DS-VTM** LDX-3319DS-A1M	790–960	33	20	0–8	2581	591	29.00	2	7-16 DIN Female	1	Type 1
LDX-6513DS-VTM** LDX-6513DS-A1M	790–960	65	15	0–15	1297	269	9.30	2	7-16 DIN Female	1	Type 1
LDX-6515DS-VTM**	790–960	65	16	0–10	2073	269	15.00	2	7-16 DIN Female	0	Type 1
LDX-6516DS-VTM** LDX-6516DS-A1M	790–960	65	17	0–8	2577	269	21.00	2	7-16 DIN Female	1	Type 1
LDX-6516DS1-VTM** LDX-6516DS1-A1M	790–960	65	17	0–8	2582	301	20.20	2	7-16 DIN Female	1	Type 1
LDX-9013DS-VTM**	790–960	90	14	0–10	1831	225	12.00	2	7-16 DIN Female	0	Type 1
LDX-9014DS-VTM**	790–960	90	16	0–8	2435	225	18.10	2	7-16 DIN Female	0	Type 1
LNX-6513DS-A1M	698–896	65	15	0–10	1390	301	14.80	2	7-16 DIN Female	1	Type 1
LNX-6514DS-A1M	698–896	65	16	0–10	2048	301	14.60	2	7-16 DIN Female	1	Type 1
LNX-6515DS-VTM**	698–896	65	17	0–8	2453	301	19.80	2	7-16 DIN Female	1	Type 1
LNX-8514DS-A1M	698–896	85	16	0–8	2449	301	23.10	2	7-16 DIN Female	1	Type 1
LRX-8512DS-VTM**	698–960	85	14	0–15	1293	301	13.60	2	7-16 DIN Female	0	Type 1
RPX310B-T2	694–960	65	17	0–10	2533	350	27.00	2	7-16 DIN Female	1	Type 1
RPX310B-T2H	694–960	65	17	0–10	2533	350	26.80	2	7-16 DIN Female	1	Type 1
RPX310B-V1	694–960	65	16	0–10	2533	353	26.00	2	7-16 DIN Female	1	Type 1

Specifications are subject to change. Please visit our website for the latest specifications.

**-VTM models require a [RET actuator](#) to be ordered separately.

Sector Antennas

Single Band Antennas

Low Band 694–960 MHz

4 Ports

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty	Array Type
LDXX-6515DS-VTM** LDXX-6515DS-A2M	790–960	65	16.50	0–10	2070	549	35.6	4	7-16 DIN Female	2	Type 4
LDXX-6516DS-VTM**	790–960	65	17.50	0–8	2567	549	32.1	4	7-16 DIN Female	0	Type 4
LDXX-6516DS-VTM-C3	790–960	65	17.50	0–8	2567	549	35.5	4	4.3-10 Female	0	Type 4
LDXX-9013DS-VTM**	790–960	90	15.00	0–10	1830	549	30.0	4	4.3-10 Female	0	Type 4
RR-65B-R2	694–960	65	15.00	2–12	1828	498	33	4	4.3-10 Female	2	Type 4
DD-65B-R2	790–960	65	16.50	0–10	2100	498	28	4	4.3-10 Female	2	Type 4

6 Ports

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty	Array Type
3X-C70B-3XR	790–960	70	15.5	0–14	2200	270	37.1	6	7-16 DIN Female	3	3-Sector

Specifications are subject to change. Please visit our website for the latest specifications.

** -VTM models require a [RET actuator](#) to be ordered separately.

Sector Antennas

Single Band Antennas

High Band 1695–2690 MHz

2 Ports

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty	Array Type
HBX-3319DS-VTM** HBX-3319DS-A1M	1710–2180	33	20.00	0–9	1563	269	12.7	2	7-16 DIN Female	1	Type 2
HBX-6513DS-VTM**	1710–2180	65	15.00	0–18	695	166	2.8	2	7-16 DIN Female	0	Type 2
HBX-6516DS-VTM** HBX-6516DS-A1M	1710–2180	65	17.50	0–10	1306	166	4.7	2	7-16 DIN Female	1	Type 2
HBX-6517DS-VTM** HBX-6517DS-A1M	1710–2180	65	19.00	0–6	1902	166	6.2	2	7-16 DIN Female	1	Type 2
HBX-9016DS-VTM** HBX-9016DS-A1M	1710–2180	90	18.00	0–6	1897	172	7.6	2	7-16 DIN Female	1	Type 2
HWX-6516DS1-VTM**	1710–2690	65	18.00	0–10	1390	170	6.0	2	7-16 DIN Female	0	Type 3

Specifications are subject to change. Please visit our website for the latest specifications.

** -VTM models require a [RET actuator](#) to be ordered separately.

Sector Antennas

Single Band Antennas

High Band 1695–2690 MHz

4 Ports

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty	Array Type
HBXX-3319DS-VTM** HBXX-3319DS-A2M	1710–2180	33	20.50	0–10	1448	564	17.3	4	7-16 DIN Female	2	Type 5
HBXX-6513DS-VTM** HBXX-6513DS-A2M	1710–2170	65	14.00	0–12	695	305	7.90	4	7-16 DIN Female	2	Type 5
HBXX-6516DS-VTM** HBXX-6516DS-A2M	1710–2180	65	17.70	0–10	1297	305	13.90	4	7-16 DIN Female	2	Type 5
HBXX-6517DS-VTM** HBXX-6517DS-A2M	1710–2180	65	19.00	0–6	1906	305	18.50	4	7-16 DIN Female	2	Type 5
HBXX-9014DS-VTM** HBXX-9014DS-A2M	1710–2180	90	16.00	0–10	1297	305	13.50	4	7-16 DIN Female	2	Type 5
HBXX-9016DS-VTM**	1710–2180	90	17.00	0–6	1896	305	16.90	4	7-16 DIN Female	2	Type 5
HWXX-6516DS1-VTM** HWXX-6516DS1-A2M	1710–2690	65	17.40	0–10	1390	305	10.20	4	7-16 DIN Female	2	Type 6
HWXX-6516DS1-VTMV2** HWXX-6516DS1-VTMV2**	1710–2690	65	18.00	0–11	1390	305	9.80	4	4.3-10 Female	2	Type 6
VV-65A-R1B	1695–2690	65	18.50	0–12	1390	305	11.2	4	4.3-10 Female	1	Type 6
VV-65A-R1B-V2	1695–2690	65	18.50	0–12	1390	305	11.1	4	4.3-10 Female	1	Type 6
VV-65A-R2	1695–2690	65	18.0	0–10	1390	305	14	4	4.3-10 Female	2	Type 6
VV-65A-R2-V2	1695–2690	65	18.00	0–10	1400	300	14	4	4.3-10 Female	2	Type 6
VV-65B-R1B	1695–2690	65	19.00	2–12	1786	305	13.4	4	7-16 DIN Female	1	Type 6
VV-65B-R1B-V2	1695–2690	65	19.00	2–12	1786	305	13.4	4	4.3-10 Female	1	Type 6
VV-65B-R2	1695–2690	65	19.00	2–12	1786	305	13.9	4	7-16 DIN Female	2	Type 6
VVPX310R-V5	1710–2690	65	18.00	0–10	1328	290	12.5	4	7-16 DIN Female	2	Type 6
SSPX310R-V2	3300–3800	65	18.00	0–10	752	300	7.5	4	4.3-10 Female	2	Type 7

Specifications are subject to change. Please visit our website for the latest specifications.

**-VTM models require a [RET actuator](#) to be ordered separately.

Sector Antennas

Single Band Antennas

High Band 1695–2690 MHz/3300–3800 MHz

6 Ports

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty	Array Type
HBXXX-6516DS-VTM** HBXXX-6516DS-A3M	1710–2180	65	18.00	2–10	1309	500	15.3	6	7-16 DIN Female	3	Type 8
HWXXX-6516DS-VTM** HWXXX-6516DS-A3M	1710–2690	65	18.00	0–10	1309	504	19.5	6	7-16 DIN Female	3	Type 9
V3-65A-R3	1695–2690	65	17.20	0–10	1322	504	20	6	4.3-10 Female	3	Type 9
V3-65A-R3-V4	1695–2690	65	17.20	2–10	1322	504	20	6	7-16 DIN Female	3	Type 9
3X-V65A-3XR	1710–2690	65	17.30	0–12	1874		19	6	7-16 DIN Female	3	3-Sector

8 Ports

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty	Array Type
HW4X-6516DS1-VTM**	1710–2690	65	17.30	0–10	1390	628	23.00	8	7-16 DIN Female	4	Type 10
V4-65D-M	1710–2690	65	17.00	0–10	2645	301	28.00	8	7-16 DIN Female	4	Type 11
V4-65D-R4-V2	1710–2690	65	16.90	0–11	2675	301	29.50	8	4.3-10 Female	4	Type 11
T4-90A-R1	2300–2690	90	18.3	2–13	1610	307	15.60	8	4.3-10 Female	1	Type 12
T4-90A-R1-V2	2300–2690	90	18.3	2–14	1610	307	15.60	8	4.3-10 Female	1	Type 12
TTTT65AP-1XR	2496–2690	65	18.20	0–8	1610	307	15.10	8	4.1-9.5 DIN Female	1	Type 12
S4-90M-R1-V2	3300–3800	90	15.7	2–12	1015	295	14.20	8	4.3-10 Female	1	Type 13

10 Ports

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty	Array Type
HHTTV-65A-R3	1695–2200 2490–2690 1695–2690	65°	16.7–17.2 17.2 17.7–17.2	2–12 2–12 2–12	1322	504	21	10	4.3-10 Female	3	Type 14

Specifications are subject to change. Please visit our website for the latest specifications.

**-VTM models require a [RET actuator](#) to be ordered separately.

Sector Antennas

Multiband Antennas

694–960 MHz/1695–2690 MHz

2 Ports

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty	Array Type
CNLPX3055F	790–960 1710–2170 2300–2690	50°	11.2 11.4 11.7	0	1354	853	37	2	7-16 DIN Female	0	Stadium Antenna

4 Ports (1L1H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty	Array Type
DBXDH-6565B-VTM** DBXDH-6565B-A2M	790–960 1710–2180	65°	15.8–16.7 18.7–18.3	2–12 1–8	1998	301	22.80	4	7-16 DIN Female	2	Type 15
DBXLH-6565A-VTM** DBXLH-6565A-A2M	824–960 1710–2180	65°	14.0–14.3 16.5–17.0	0–15 0–8	1297	269	14.20	4	7-16 DIN Female	2	Type 15
DBXLH-6565B-VTM** DBXLH-6565B-A2M	824–960 1710–2180	65°	15.0–16.2 18.0–18.3	0–10 0–6	1937	269	19.00	4	7-16 DIN Female	2	Type 15
DBXLH-6565C-VTM**	824–960 1710–2180	65°	16.8–17.4 18.5–18.3	0–8 0–6	2577	269	21.70	4	7-16 DIN Female	2	Type 15
DBXNH-6565B-VTM** DBXNH-6565B-A2M	698–896 1710–2180	65°	15.2–16.0 19.2–18.2	0–10 0–6	1847	301	21.00	4	7-16 DIN Female	2	Type 15
DBXRH-8585C-VTM**	698–896 1710–2180	85°	15.1–15.0 16.2–17.1	0–11 0–6	2449	301	21.90	4	7-16 DIN Female	2	Type 15
CV65BSX-M CV65BSX-2X2	790–960 1710–2690	65°	15.6–15.6 17.4–18.2	0–10 2–12	1974	301	17.90	4	7-16 DIN Female	2	Type 16
CV65CSX-M CV65CSX-2X2	790–960 1710–2690	65°	16.7–16.8 17.6–18.6	0–10 2–12	2453	301	21.20	4	7-16 DIN Female	2	Type 16
RV-65A-R2	694–960 1695–2690	65°	14.1–14.6 16.9–18.2	2–15 2–12	1412	301	17.10	4	7-16 DIN Female	2	Type 16
RV65A-2X2	694–960 1695–2690	65°	13.6–14.3 17.1–8.1	2–15 2–12	1400	350	17.80	4	4.3-10 Female	2	Type 16

Specifications are subject to change. Please visit our website for the latest specifications.

**-VTM models require a [RET actuator](#) to be ordered separately.

Sector Antennas

Multiband Antennas

694–960 MHz/1695–2690 MHz

6 Ports (1L2H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty	Array Type
CVV65BSX-M CVV65BSX-3X2	790–960 1710–2690	65°	15.9–16.0 17.6–18.2	0–10 2–12	1974	301	18.80	6	7-16 DIN Female	3	Type 18
CVV65CSX-M CVV65CSX-3X2	790–960 1710–2690	65°	16.7–16.9 17.9–18.8	0–10 2–12	2453	301	22.20	6	7-16 DIN Female	3	Type 18
CVV65DSX-M	790–960 1710–2690	65°	16.8–17.0 17.6–18.7	0–10 2–12	2702	301	23.30	6	7-16 DIN Female	3	Type 18
CVVPX303F1	790–960 1710–2690	65°	10.9–11.5 13.2–14.2	0	861	353	11.00	6	7-16 DIN Female	0	Type 18
RVV-33B-R3	694–960 1695–2690	33°	17.7–18.7 20.0–21.5	2–13 2–12	1830	640	44.00	6	4.3-10 Female	3	Type 18
RVV-45A-R3	694–960 1695–2690	45°	15.5–16.5 18.5–19.6	2–12 2–18	1399	457	26.10	6	4.3-10 Female	3	Type 18
RVV-65A-M RVV-65A-3X2	694–960 1695–2690	65°	14.2–14.6 17.4–18.3	3–18 3–13	1412	301	17.40	6	7-16 DIN Female	3	Type 18
RVV-65A-R3	694–960 1695–2690	65°	14.1–14.7 17.5–18.3	3–16 2–12	1400	350	19.30	6	4.3-10 Female	3	Type 18
RVV65B-C3-3XR	694–960 1695–2690	65°	15.2–15.4 18.3–19.3	0–13 2–12	1850	301	23.00	6	4.3-10 Female	3	Type 18
RVV65D-C3-3XR	694–960 1695–2690	65°	16.3–17.0 18.1–19.2	0–10 2–12	2645	301	27.50	6	4.3-10 Female	3	Type 18
RVV-65D-M	694–960 1695–2690	65°	16.6–17.3 17.1–18.5	0–10 2–12	2645	301	26.20	6	7-16 DIN Female	3	Type 18
RVV-65D-R3	694–960 1695–2690	65°	16.6–17.2 18.4–19.2	0–10 2–12	2688	350	30.50	6	4.3-10 Female	3	Type 18

Specifications are subject to change. Please visit our website for the latest specifications.

Sector Antennas

Multiband Antennas

694–960 MHz/1427–2690 MHz

6 Ports (1L2H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty	Array Type
TBXLHA-6565B-VTM**	824–960 1710–2180	65°	15.9–16.5 15.6–15.6	0–11 0–10	2253	269	21.70	6	7-16 DIN Female	3	Type 17
TBXLHA-6565C-VTM** TBXLHA-6565C-A3M	824–960 1710–2180	65°	16.9–17.6 16.8–17.0	0–8 2–10	2577	269	25.40	6	7-16 DIN Female	3	Type 17
RVV-65D-R3-V2	694–960 1695–2690	65°	16.6–17.2 18.4–19.2	0–10 2–12	2688	350	31.30	6	7-16 DIN Female	3	Type 18
RVV-65D-R3-V3	694–960 1695–2690	65°	16.6–17.2 18.4–19.2	0–10 2–12	2688	350	30.70	6	4.3-10 Female	3	Type 18
RVVPX303.6F12R2	694–960 1695–2690	65°	11.7–12.1 14.8–16.1	2–12 0–10	919	353	13.30	6	7-16 DIN Female	2	Type 18
RVVPX306.11B-T2	694–960 1695–2690	65°	14.3–15.2 17.2–18.4	2–12 0–10	1584	350	24.70	6	7-16 DIN Female	3	Type 18
RVVPX306.11R-V2	698–960 1710–2690	65°	14.1–14.9 17.2–18.2	0–10 0–10	1600	353	23.00	6	4.3-10 Female	3	Type 18
RVVPX308.11B-T2	694–960 1695–2690	65°	15.3–16.2 17.4–18.4	0–10 0–10	2065	350	29.70	6	7-16 DIN Female	3	Type 18
RVVPX308.11R-V3	694–960 1695–2690	65°	15.6–16.2 17.3–18.7	0–10 0–10	2065	350	28.50	6	4.3-10 Female	3	Type 18
RVVPX310.11B-T2	694–960 1695–2690	65°	16.3–16.9 17.5–18.6	0–10 0–10	2533	350	33.20	6	7-16 DIN Female	3	Type 18
RVVPX310.11R-V3	694–960 1695–2690	65°	16.3–17.0 17.4–18.5	0–10 0–10	2533	350	32.00	6	4.3-10 Female	3	Type 18
RZV-65B-R3	694–960 1427–2690 1695–2690	65°	15.3–16.0 16.2 17.9–19.0	2–14 2–12 2–12	1828	350	23.00	6	4.3-10 Female	3	Type 18

Specifications are subject to change. Please visit our website for the latest specifications.

**-VTM models require a [RET actuator](#) to be ordered separately.

Sector Antennas

Multiband Antennas

694–960 MHz/1427–2690 MHz

8 Ports (2L2H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty	Array Type
CCVVPX308.11R-C3	790–960 1695–2690	65°	14.9–15.6 16.6–18.2	0–10 0–10	2100	498	39.00	8	4.3-10 Female	4	Type 19
RRVV-65B-R4-V2	694–960 1695–2690	65°	14.6–15.2 18.6–19.3	2–12 2–12	1828	498	35.50	8	4.3-10-F	4	Type 19
RRVV-65D-R4	694–960 1695–2690	65°	15.7–16.9 18.5–19.2	2–12 2–12	2688	498	48.80	8	4.3-10 Female	4	Type 19
RRVV-65D-R4-V2	694–960 1695–2690	65°	15.7–16.9 18.5–19.2	2–12 2–12	2688	498	48.80	8	4.3-10 Female	4	Type 19
RRZZ-65A-R4	694–960 1427–2690	65°	13.6–13.9 15.4–17.4	2–16 2–12	1499	498	33.00	8	4.3-10 Female	4	Type 19
RRZZ-65A-R4-V2	694–960 1427–2690	65°	13.6–13.9 15.4–17.4	2–16 2–12	1499	498	33.00	8	4.3-10 Female	4	Type 19
RRZZ-65B-R4	694–960 1427–2690	65°	14.4–15.1 15.4–18.1	2–12 2–12	1828	498	35.10	8	4.3-10 Female	4	Type 19
EGVV65A-FL-C3-4XR	694–862 880–960 1695–2690	65°	13.4 13.8 16.8–17.9	2–17 2–17 2–12	1416.50	301	23.90	8	4.3-10 Female	4	Type 20
EGVV65B-FL-C3-4XR	694–862 880–960 1695–2690	65°	15.2 15.5 18.2–18.8	2–14 2–14 2–12	1850	350	30.50	8	4.3-10 Female	4	Type 20
EGVV65D-FL-C3-4XR	694–862 880–960 1695–2690	65°	16.5 16.9 18.1–18.5	2–12 2–12 2–12	2690	350	39.60	8	4.3-10 Female	4	Type 20

Specifications are subject to change. Please visit our website for the latest specifications.

Sector Antennas

Multiband Antennas

694–960 MHz/1427–2690 MHz

8 Ports (1L3H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty	Array Type
CV3PX308R1	790–960 1710–2690	65°	15.6–15.9 15.7–17.4	0–10 0–10	2067	353	27.1	8	7-16 DIN Female	4	Type 21
CV3PX310R1	790–960 1710–2690	65°	16.6–17.0 16.4–17.7	0–10 0–10	2533	354	33	8	7-16 DIN Female	4	Type 21
RV3-65D-R4-V2	694–960 1695–2690	65°	16.5–17.4 17.0–18.2	0–10 2–12	2830	350	32.5	8	7-16 DIN Female	4	Type 21
RV3-65D-R4-V3	694–960 1695–2690	65°	16.5–17.4 17.0–18.2	0–10 2–12	2830	350	31.7	8	4.3-10 Female	4	Type 21
RV365D-M RV365D-4X2	694–960 1695–2690	65°	16.4–16.7 17.0–18.0	0–10 2–12	2645	301	31.5	8	7-16 DIN Female	4	Type 21
RV365D-M-V2	694–960 1695–2690	65°	16.5–16.7 17.0–18.1	0–10 2–12	2645	301	31.5	8	4.3-10 Female	4	Type 21
RHTV65A-FH-C3-4XR	694–960 1695–2180 2490–2690 1695–2690	65°	14.6–14.1 17.0–16.8 17.2 18.1–17.3	3–18 3–13 3–13 3–13	1400	350	19.9	8	4.3-10 Female	4	Type 22
RYVV-65A-R4	694–960 1427–1518 1695–2690	65°	14.2–14.6 15.7–17.4	2–17 2–12	1499	350	21.2	8	4.3-10 Female	4	Type 23
RYVV-65B-R4	694–960 1427–1518 1695–2690	65°	15.1–15.9 16.0–18.8	2–14 2–12 2–12	1828	350	25	8	4.3-10 Female	4	Type 23
RZVV-65A-R4	694–960 1427–2690 1695–2690	65°	13.8–14.2 15.3–18.0	2–18 2–12 2–12	1499	395	22.6	8	4.3-10 Female	4	Type 24
RZVV-65B-R4	694–960 1427–2690 1695–2690	65°	14.7–15.3 16.1 17.3–18.9	2–14 2–12 2–12	1980	395	29.4	8	4.3-10 Female	4	Type 24

Specifications are subject to change. Please visit our website for the latest specifications.

Sector Antennas

Multiband Antennas

694–960 MHz/1427–2690 MHz

10 Ports (1L4H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty	Array Type
DHHT65B-3XR	790–960 1710–2180 2490–2690	65°	15.5–15.5 17.3–17.5 17.2	0–10 0–8 0–8	1832	301	20.6	10	7-16 DIN Female, 4.1-9.5 DIN Female	3	Type 25
RHHTT-65A-R4	694–960 1695–2180 2490–2690	65°	14.7–14.2 17.4–17.1 17.6	3–18 3–13 3–13	1400	350	20.3	10	4.3-10 Female	4	Type 25
RHHTT-65A-R4-V2	694–960 1695–2180 2490–2690	65°	14.7–14.2 17.4–17.1 17.6	3–18 3–13 3–13	1400	350	20.3	10	4.3-10 Female	4	Type 25
RV4-65B-R5	694–960 1695–2690	65°	15.4–16.0 16.3–16.9	0–12 0–12	2100	350	28.5	10	7-16 DIN Female	5	Type 26
RV4-65B-R5-V2	694–960 1695–2690	65°	15.4–16.0 16.3–16.9	0–12 0–12	2100	350	28.0	10	4.3-10 Female	5	Type 26
RV4-65B-R5-V3	694–960 1695–2690	65°	15.4–16.0 16.3–16.9	0–12 0–12	2100	350	28.0	10	4.3-10 Female	5	Type 26
RV4-65D-M RV4-65D-ER5	694–960 1695–2690	65°	16.6–17.4 16.8–18.0	0–10 2–12	2688	350	32.0	10	7-16 DIN Female	0	Type 26
RV4-65D-M-V2	694–960 1695–2690	65°	16.6–17.4 16.8–18.0	0–10 2–12	2688	350	32.0	10	4.3-10 Female	0	Type 26
RV4-65D-R5-V10	694–960 1695–2690	65°	16.3–16.9 16.9–17.1	0–10 2–12	2688	350	31.2	10	4.3-10 Female	5	Type 26

Specifications are subject to change. Please visit our website for the latest specifications.

Sector Antennas

Multiband Antennas

694–960 MHz/1427–2690 MHz

10 Ports (1L4H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty	Array Type
RV4-65D-R5-V2	694–960 1695–2690	65°	16.7–17.4 16.8–18.1	0–10 2–12	2688	350	34.0	10	4.3-10 Female	5	Type 26
RV4-65D-R5-V5	694–960 1695–2690	65°	16.7–17.4 16.8–18.1	0–10 2–12	2688	350	34.5	10	4.3-10 Female	5	Type 26
RV4-65D-R5-V6	694–960 1695–2690	65°	16.7–17.4 16.8–18.1	0–10 2–12	2688	350	33.5	10	4.3-10 Female	5	Type 26
RV4-65D-R5-V9	694–960 1695–2690	65°	16.3–16.9 16.9–17.1	0–10 2–12	2688	350	32.0	10	7-16 DIN Female	5	Type 26
RV4PX308R-V2	694–960 1695–2690	65°	15.3–15.9 16.2–17.3	0–10 0–10	2065	350	31.8	10	7-16 DIN Female	5	Type 26
RV4PX310BT-Q2	694–960 1695–2690	65°	16.0–16.8 16.9–18.1	0–10 0–10	2433	350	39.0	10	4.3-10 Female	5	Type 26
RV4PX310R-E2	694–960 1695–2690	65°	16.0–16.9 16.8–18.0	0–10 0–10	2533	350	39.7	10	7-16 DIN Female	5	Type 26
RV4PX310R-V2	694–960 1695–2690	65°	16.0–16.9 16.8–18.0	0–10 0–10	2533	350	39.7	10	7-16 DIN Female	5	Type 26
RV4PX306R	694–960 1695–2690	65°	14.2–14.9 14.7–16.1	0–10 0–10	1599	353	24.0	10	7-16 DIN Female	5	Type 27

Specifications are subject to change. Please visit our website for the latest specifications.

Sector Antennas

Multiband Antennas

694–960 MHz/1427–2690 MHz

10 Ports (2L3H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty	Array Type
EGHTV65B-F-C3-5XR	694–862 880–960 1695–2180 2490–2690 1695–2690	65°	15.1–15.5 17.7–18.0 18.3 18.8–19.2	2–14 2–12 2–12 2–12	1828	350	30.0	10	4.3-10 Female	5	Type 28
EGV365D-FL-C3-5XR	694–862 880–960 1695–2690	65°	16.5 16.9 17.1–18.2	2–12 2–12 2–12	2688	350	41.1	10	4.3-10 Female	5	Type 29
RRV3-65D-R5	694–960 1695–2690	65°	15.8–16.8 17.0–18.3	2–12 2–12	2688	498	50.1	10	4.3-10 Female	5	Type 30

12 Ports (1L5H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty	Array Type
RZV4-65D-R6	694–960 1427–2690 1695–2690	65°	17.1–16.8 17.0–18.3 15.5–17.6	2–12 2–12 2–12	2688	395	37.4	12	4.3-10 Female	6	Type 31
RVHHTT-65A-R5	694–960 1695–2690 1695–2180 2490–2690	65°	14.0–14.6 16.7–17.3 16.6–17.4 17.3	2–17 2–12 2–12 2–12	1500	395	24	12	4.3-10 Female	5	Type 32

Specifications are subject to change. Please visit our website for the latest specifications.

Sector Antennas

Multiband Antennas

694–960 MHz/1427–2690 MHz

12 Ports (2L4H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty	Array Type
EGV4-65D-R6	694–862 880–960 1695–2690	65°	16.7 17.0 17.0–18.3	2–12 2–12 2–12	2688	350	43.5	12	4.3-10 Female	6	Type 33
R2V4PX306R	698–960 1710–2690	65°	14.2–15.1 15.1–16.9	0–10 0–10	1607	641	49	12	7-16 DIN Female	6	Type 34
R2V4PX306R-V2	698–960 1710–2690	65°	14.2–15.1 15.1–16.9	0–10 0–10	1607	641	49	12	4.3-10 Female	6	Type 34
R2V4PX308R	698–960 1710–2690	65°	15.1–15.9 16.4–17.9	0–10 0–10	2074	641	60	12	7-16 DIN Female	6	Type 34

Specifications are subject to change. Please visit our website for the latest specifications.

Sector Antennas

Multiband Antennas

694–960 MHz/1427–2690 MHz

12 Ports (2L4H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty	Array Type
RRZZVV-65B-R6	694–960 1427–2690 1695–2690	65°	14.5–15.3 14.4–17.2 16.2–17.2	2–12 2–12 2–12	2100	498	41.4	12	4.3-10 Female	6	Type 34
RRV4-65A-R6	694–960 1695–2690	65°	13.3–13.8 16.5–18.2	2–16 2–12	1499	498	33	12	4.3-10 Female	6	Type 35
RRV4-65A-R6-V2	694–960 1695–2690	65°	13.3–13.8 16.4–18.1	2–16 2–12	1499	498	33	12	7-16 DIN Female	6	Type 35
RRV4-65B-R6	698–960 1695–2690	65°	14.9–15.3 16.0–16.4	2–14 2–14	1828	498	38	12	4.3-10 Female	6	Type 35
RRV4-65C-R6	694–960 1695–2690	65°	15.6–16.2 17.1–17.5	2–12 2–12	2438	498	46.3	12	4.3-10 Female	6	Type 35
RRV4-65D-R6	694–960 1695–2690	65°	15.8–16.8 17.0–17.7	2–12 2–12	2688	498	51.5	12	4.3-10 Female	6	Type 35
RRV4-65D-R6-V2	694–960 1695–2690	65°	16.2–16.8 17.3–18.0	2–12 2–12	2688	498	49.5	12	4.3-10 Female	6	Type 35
RRZZVV-65A-R6H4	694–960 1427–2690 1695–2690	65°	13.5–13.2 18.1–18.6 15.2–18.2	2–16 2–12 2–12	1499	498	31.8	12	4.3-10 Female	6	Type 35
RRZZVV-65B-R6H4	694–960 1427–2690 1695–2690	65°	14.3–14.7 15.9–17.9 17.9–18.3	2–14 2–12 2–12	1848	498	37.5	12	4.3-10 Female	6	Type 35
RRV4-65B-R6H4	694–960 1695–2690	65°	14.1–14.7 16.4–17.9	2–14 2–12	1848	498	36.5	12	4.3-10 Female	6	Type 35

Specifications are subject to change. Please visit our website for the latest specifications.

Sector Antennas

Multiband Antennas

694–960 MHz/1427–2690 MHz

14 Ports (2L5H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty	Array Type
EGYHHTT-65A-R6	694–862 880–960 1427–1518 1695–2180 2490–2690	65°	14.3 14.6 15.7 16.5–16.7 16.8–16.9	2–17 2–12	1499	350	28.5	14	4.3-10 Female	6	Type 36
EGYHHTT-65B-R6	694–862 880–960 1427–1518 1695–2180 2490–2690	65°	14.8 15.1 16.3 17.2–17.9 17.9–17.4	2–14 2–14 2–12 2–12	1828	350	33	14	4.3-10 Female	6	Type 36
EGYHHTT-65B-R6V1	694–862 880–960 1427–1518 1695–2180 2490–2690	65°	15.0 15.2 16.2 17.8–17.4 17.9–17.4	2–14 2–14 2–12 2–12	1828	350	33	14	4.3-10 Female	6	Type 36
EGZHHTT-65A-R6	694–862 880–960 1427–2690 1695–2180 2490–2690	65°	13.7 13.8 15.2–17.3 16.6–17.4 17.2	2–17 2–17 2–12 2–12 2–12	1500	395	30	14	4.3-10 Female	6	Type 37
EGZHHTT-65B-R6	694–862 880–960 1427–2690 1695–2180 2490–2690	65°	14.9 14.9 16.4–18.5 17.5–18.2 18.0	2–14 2–14 2–12 2–12 2–12	1980	395	39.5	14	4.3-10 Female	6	Type 37
EGZV4-65D-R6	694–862 880–960 1427–2690 1695–2690	65°	16.3 16.5 15.3–17.6 17.0–17.7	2–12 2–12 2–12 2–12	2688	395	46.6	14	4.3-10 Female	6	Type 38

14 Ports (3L4H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty	Array Type
EGRV4-65D-R6	694–862 880–960 694–960 1695–2690	65°	15.7 16.2 16.3–17.0 17.2–18.3	2–12 2–12 2–12 2–12	2688	498	59.8	14	4.3-10 Female	4	Type 39

Specifications are subject to change. Please visit our website for the latest specifications.

Sector Antennas

Multiband Antennas

694–960 MHz/1427–2690 MHz/3300–3800 MHz

16 Ports (2L6H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty	Array Type
EGZV5-65D-R6	694–862 880–960 1427–2690 1695–2690	65°	16.3 16.5 15.2–17.6 16.8–17.7	2–12 2–12 2–12 2–12	2688	395	46.9	16	4.3-10 Female	6	Type 40
RRVVHHTT-65D-R6	694–960 1695–2690 1695–2180 2490–2690	65°	16.2–16.7 17.0–17.4 16.8–17.3 16.9	2–12 2–12 2–12 2–12	2688	498	53.2	16	4.3-10 Female	6	Type 41
RRZZHHTT-65A-R6H4	694–960 1427–2690 1695–2180 2490–2690	65°	13.2–13.7 15.3–18.3 16.9 17.8	2–16 2–12 2–12 2–12	1499	498	33.9	16	4.3-10 Female	6	Type 42
RRZZHHTT-65B-R6H4	694–960 1427–2690 1695–2180 2490–2690	65°	14.9–15.6 15.1–17.5 18.1 18.6	2–12 2–12 2–12 2–12	2100	498	42.5	16	4.3-10 Female	6	Type 42
RRZZHHTT-65D-R6	694–960 1427–2690 1695–2180 2490–2690	65°	16.2–16.7 15.1–17.3 16.8–17.3 16.9	2–12 2–12 2–12 2–12	2688	498	53.2	16	4.3-10 Female	6	Type 42
RRZZV4-65D-R6H4	694–960 1427–2690 1695–2690	65°	15.6–16.1 15.3–17.7 17.4–17.9	2–14 2–12 2–12	2688	498	53.5	16	4.3-10 Female	6	Type 43

Specifications are subject to change. Please visit our website for the latest specifications.

Sector Antennas

Multiband Antennas

694–960 MHz/1427–2690 MHz/3300–3800 MHz

18 Ports (3L6H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty	Array Type
EGRZZV4-65D-R8	694–862	65°	15.3	2–14	2688	498	62	18	4.3-10 Female	8	Type 44
	880–960		15.5	2–12							
	694–960		16.1	2–12							
	1427–2690		15.2–17.8	2–12							
	1695–2690		17.4–18.1	2–12							
EGRZZV4-65D-R8V2	694–862	65°	15.4	2–14	2688	498	62.2	18	4.3-10 Female	8	Type 44
	880–960		15.6	2–12							
	694–960		16.0	2–12							
	1427–2690		15.4–18.0	2–12							
	1695–2690		17.4–18.1	2–12							

26 Ports (3L10H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty	Array Type
EGRZZHHTTV4-65D-R8	694–862	65°	15.4	2–14	2688	498	67.6	26	4.3-10 Female	8	Type 45
	880–960		15.7	2–14							
	694–960		16.2	2–14							
	1427–2690		15.5	2–12							
	1695–1880		15.9	2–12							
	2300–2690		17.6	2–12							
	1695–2690		16.9–17.9	2–12							

30 Ports (3L12H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty	Array Type
EGRZZH4T4VV-65D-R8	694–862	65°	15.8	2–14	2688	498	68.7	30	4.3-10 Female	8	Type 46
	880–960		15.8	2–14							
	694–960		16.0	2–14							
	1427–2690		14.8	2–12							
	1695–1880		15.4	2–12							
	2300–2690		17.2–17.4	2–12							
	1695–2690		16.9–17.6	2–12							
EGRZZH4T4VV65D-R8V2	694–862	65°	15.2	2–14	2688	498	69.6	30	4.3-10 Female	8	Type 46
	880–960		15.4	2–14							
	694–960		16.1	2–14							
	1427–2690		14.8	2–12							
	1695–1880		16.2–17.1	2–12							
	2300–2690		17.8	2–12							
	1695–2691		16.9–17.6	2–12							

Specifications are subject to change. Please visit our website for the latest specifications.

Multibeam Antennas

Single Band Antennas

Low Band 694–960 MHz

2 Ports

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty	Array Type
2UPX210B-T2	694–896	37°	17.9–18.7	0–10	2533	640	47	4	7-16 DIN Female	2	Type 47
2CPX208R-V3	790–960	38°	18.1–18.6	0–10	2090	504	32.5	4	7-16 DIN Female	2	Type 47

10 Ports

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty	Array Type
5UPX0805F	698–894	13.5°	20.6	6	1617	1574	85	10	7-16 DIN Female	0	5-Beam Antenna

Single Band Antennas

High Band 1695–2690 MHz

4 Ports

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty	Array Type
HBXX-3817TB1-VTM** HBXX-3817TB1-A2M	1710–2180	38°	19.3–19.9	0–10	1390	301	13.6	4	7-16 DIN Female	2	Type 48
2H-33A-R2	1695–2400	38°	19.1–19.9	2–12	1400	350	17.6	4	4.3-10 Female	2	Type 49

Specifications are subject to change. Please visit our website for the latest specifications.

**-VTM models require a [RET actuator](#) to be ordered separately.

Multibeam Antennas

Single Band Antennas

High Band 1695–2690 MHz

8 Ports

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty	Array Type
2HH-33A-R4	1695–2400	33°	19.1–19.9	2–12	1350	640	30.8	8	4.3-10 Female	4	Type 50
2HH-38A-R4	1695–2400	38°	19.4–20.0	2–10	1350	640	31.2	8	4.3-10 Female	4	Type 50
2HH-38A-R4-V2	1695–2400	38°	19.3–20.0	2–10	1224	640	29.7	8	4.3-10 Female	4	Type 50
2VV-33C-R4	1695–2690	33°	18.4–20.2	2–12	2499	395	36.0	8	4.3-10 Female	4	Type 51
2VV-33C-R4-V3	1695–2690	33°	18.4–20.2	2–12	2499	395	36.0	8	4.3-10 Female	4	Type 51
2VV-33C-R4-V4	1695–2690	33°	18.4–20.2	2–12	2499	395	36.8	8	4.3-10 Female	4	Type 51

Specifications are subject to change. Please visit our website for the latest specifications.

Multibeam Antennas

Single Band Antennas

High Band 1695–2690 MHz

10 Ports

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty	Array Type
5NPX1006F	1710–2180	10-14°	21.7–22.3	6	889	864	30	10	7-16 DIN Female	0	5-Beam Antenna

18 Ports

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty	Array Type
2x9NPA2010F	1710–2170	5°	25.0–27.0	4	1771	1486	140	18	7-16 DIN Female	0	9-Beam Antenna

Specifications are subject to change. Please visit our website for the latest specifications.

Multibeam Antennas

Multiband Hybrid Antennas

694–960 MHz/1695–2690 MHz

10 Ports (1L4H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty	Array Type
R2HH-6533A-R5	694–960 1710–2180	65° 33°	14.4–14.9 15.9–17.1	2–14 2–14	1580	350	25	10	4.3-10 Female	5	Type 52
R2HH-6533C-R5	694–960 1695–2400	65° 33°	16.0–16.6 18.0–19.7	2–12 2–12	2438	350	33.5	10	4.3-10 Female	5	Type 52
R2HH-6533D-R5	694–960 1695–2180	65° 33°	16.4–16.9 18.4–19.8	2–12 2–12	2688	350	35	10	4.3-10 Female	5	Type 52
CVV2NPX308.208R	790–960 1695–2690 1695–2180	65° 65° 33°	15.8–16.1 16.9–17.3 16.2–18.1	0–10 0–10 0–10	2065	350	35.5	10	7-16 DIN Female	5	Type 53
RVV2NPX310.211R	694–960 1695–2690 1695–2180	65° 65° 33°	16.2–16.7 17.5–18.2 17.2–18.8	0–10 0–10 0–10	2764	350	46.1	10	7-16 DIN Female	5	Type 53
RVV2H-6533B-R5	694–960 1695–2690 1710–2400	65° 65° 33°	15.0–15.3 16.6–17.3 16.4–18.0	2–14 2–12 2–12	1996	350	28.2	10	4.3-10 Female	5	Type 54
RVV2H-6533D-R5	694–960 1695–2690 1695–2180	65° 65° 33°	16.6–16.9 16.8–17.9 18.1–19.2	0–10 2–12 2–12	2688	350	35.0	10	4.3-10 Female	5	Type 54

12 Ports (2L4H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty	Array Type
RR2HH-6533D-R6	694–960 1695–2400	65° 33°	15.7–16.4 17.9–19.3	2–12 2–12 2–12	2688	498	54	12	4.3-10 Female	6	Type 55

Specifications are subject to change. Please visit our website for the latest specifications.

Small Cell Antennas

Single Band Antennas

High Band 1695–2690 MHz

1 Port

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty
DB992HG28N-B	1710–2490	30°	16	0	311	311	1.3	1	N Female	0

2 Ports

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty
V65S-C3-1XR	1695–2690	65°	13.1–14.1	0–20	600	170	3.8	2	4.3-10 Female	1
V360QS-C3-3XR	1695–2690	360°	8.9–10.2	0–20	596	Ø 200	7.3	2	4.3-10 Female	3

6 Ports

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty
3X-V65S-C3-3XR	1695–2690	65°	13.3–14.3	0–20	596	Ø 200	7.4	6	4.3-10 Female	3

Specifications are subject to change. Please visit our website for the latest specifications.

Small Cell Antennas

Single Band Antennas

High Band 1695–5925 MHz

10 Ports

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty
VVSSP-65S-R1B	1695–2690 3400–3800 5150–5925	65°	11.6–12.8 9.8 4.2	2–10 7 4	600	Ø 200	5.9	10	4.3-10 Female	1
VVSSP-65S-R1BV2	1695–2690 3400–3800 5150–5925	65°	12.6–13.5 10.4 4.6	2–10 4 4	600	305	6.9	10	4.3-10 Female	1

16 Ports

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty
V4SSPP-360S-F	1695–2690 3300–3800 5150–5925	360°	7.2–8.4 5.4 4.0	7 2 0	620	Ø 305	13.3	16	4.3-10 Female	0

30 Ports

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty
V6S6P3-360S-F4	1695–2690 3400–3800 5150–5925	360°	7.0–7.8 6.1 4.0	4 0 0	610	Ø 370	19.3	30	4.3-10 Female	0

Small Cell Antennas

Multiband Antennas

698–960 MHz/1695–2200 MHz

2 Ports (1L1H)

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty
NH360QM-D-2XR	698–896 1695–2200	360°	6.1–7.1 9.7–9.9	0–20 0–14	982	Ø 305	15.3	2	7-16 DIN Female	2
NH360QM-DG-2XR	698–896 1695–2200	360°	6.1–7.1 9.7–9.9	0–20 0–14	982	Ø 305	15.3	2	4.1-9.5 Female	2

Specifications are subject to change. Please visit our website for the latest specifications.

Omni Antennas

Single Band Antennas

Low Band 108–960 MHz

1 Port

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty
ASP7A	108–512	360°	2.1	0	660	Ø 13	0.8	1	N Female	0
DB224-E	138–150	360°	8.1	0	6858		17.2	1	N Male	0
DB222-A	150–158	360°	5.1	0	3226		7.2	1	N Male	0
DB224-A	150–160	360°	8.1	0	6477		15.9	1	N Male	0
DB224-B	155–165	360°	8.1	0	6477		15.9	1	N Male	0
DB224-C	164–174	360°	8.1	0	6477		15.9	1	N Male	0
DB201-P	450–470	360°	2.1	0	483		2.7	1	N Male	0
DB404-B	450–470	360°	5.9	0	1524		6.4	1	N Male	0
DB408-B	450–470	360°	8.7	0	2870		7.7	1	N Male	0
DB411-B	450–470	360°	11.1	0	2870		11.3	1	N Male	0
DB420-B	450–470	360°	11.3	0	5918		15.6	1	N Male	0
ASP705K	450–470	360°	12.1	0	5588	Ø 76	10.0	1	N Female	0
DB630-C	450–482	360°	2.1	0	965	Ø 51	2.7	1	N Female	0
DB633-C	450–482	360°	5.1	0	1435	Ø 51	3.6	1	N Female	0
DB636-C	450–482	360°	8.1	0	2896	Ø 64	30.0	1	N Female	0
UNA008R-V2	694–896	360°	8.9	0–8	2815	Ø 56	9.8	1	7-16 DIN Female	1
UNA008RI-V2	694–896	360°	8.8	0–8	2815	Ø 56	9.8	1	7-16 DIN Female	1
UNA010F-0-V2	694–896	360°	11.1	0	3414	Ø 56	9.1	1	7-16 DIN Female	0
UNA010FI-0-V2	694–896	360°	10.9	0	3414	Ø 56	9.1	1	7-16 DIN Female	0
DB583E-SN	698–790	360°	5.1	0	953	Ø 38	3.0	1	7-16 DIN Female	0
DB810E-PS	746–869	360°	12.1	0	4483	Ø 76	17.0	1	7-16 DIN Female	0
DB586-XT	806–869	360°	8.1	0	1499	Ø 38	3.6	1	N Female	0
DB809KE-XT	806–869	360°	11.1	0	3708	Ø 76	12.0	1	7-16 DIN Female	0
DB583-Y	890–960	360°	5.1	0	813	Ø 38	2.8	1	N Female	0
DB586-Y	890–960	360°	8.1	0	1499	Ø 38	3.6	1	N Female	0
DB589-Y	890–960	360°	11.1	0	2794	Ø 38	5.2	1	N Female	0

Single Band Antennas

High Band 2490–2690 MHz

2 Ports

Model Number	Frequency (MHz)	HBW (°)	Gain (dBi)	Beam Tilt (°)	Length (mm)	Width (mm)	Weight (kg)	Total RF Connector Qty	RF Connector Type	RET Qty
LNK003U-V2	2490–2690	360°	6.8	0	754	Ø 44	2.1	2	4.3-10 Female	0

Specifications are subject to change. Please visit our website for the latest specifications.

Remote Electrical Downtilt (RET) Equipment

Actuators and Site Sharing Hubs

External devices for RET connectivity from base station antennas



Controllers

Portable RET controllers with option for wireless interface to smartphone or tablet



Smart Bias Tees

Top and bottom smart bias tees for piggybacking RET signals onto RF cables



Control Cables

RET control cables in lengths up to 100 meters and a variety of connector terminations



Junction Box

E4-way junction box for RET connectivity from the controller at base of cell site to the antenna



Splitters

2-way RET control cable splitter



Lightning Protection Unit

Lightning protection unit for RET system



Grounding Kits

Grounding kits for RET control cable junctions and equipment



Mounting Hardware

CommScope base station antennas ship with [standard mounting kits](#). Our portfolio includes additional special use mounting kits to assist in unique installations. Visit our [website](#) for more information on CommScope [mounting hardware](#) options.

Downtilt Mounting

For sector antennas with options for standard, wide, or long profiles



Pipe Mounting

For sector and omni antennas



Side-by-Side Mounting

For mounting 2 or 3 antennas side-by-side



Cluster Mounting

For mounting 3 antennas on a pole



Offset and Side Mounting

For offsetting the antenna from the pole



Small Cell Mounting

For mounting small cell antennas



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We collaborate with our customers and partners to design, create and build the world's most advanced networks. It is our passion and commitment to identify the next opportunity and realize a better tomorrow. Discover more at commscope.com.

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CO-114451-EN.GB (07/20)