

8-port Ultra-Wideband Base Station Antenna: New Product

CommScope introduces its next 8-port ultra-wideband base station antenna, RRVV-65D-R4. This 65° beamwidth antenna packs a lot into a small profile width to support current bands and future carrier adds for LTE networks and is MIMO-ready. The RRVV-65D-R4 antenna is optimized for high performance use in capacity-sensitive, data-driven environments.

- Future-ready site deployments, **ultra-wideband on low & high bands**
 - For lower bands, supports LTE 700/800/900 MHz and GSM900 / UMTS900 applications
 - For higher bands, supports LTE 1800, 1900, 2100 MHz and 2.6 GHz networks
- **Low band and high band systems horizontally-spaced** for optimum 4X MIMO capability. 4T2R and 4T4R, including carrier aggregation support.
- **New low and high band radiator designs** for optimum RF performance.
- **Azimuth beamwidth stability across the frequency band** provides improved coverage and uniformity of coverage across the band.
- **4.3-10 connectors** reduce the size on the antenna end cap and provides exceptional intermodulation stability on the connector level.
- **Internal RET system** is full interoperability with all major RAN platforms. Color coding eases installation and ensures proper electrical tilt configurations (see Array Layout graphic).



Port Configuration



Array Layout



Left Bottom Right

Array	Freq (MHz)	Conns	RET (SRET)	AISG RET UID
R1	694-960	1-2	1	CPxxxxxxxxxxxxxxxxR1
R2	694-960	3-4	2	CPxxxxxxxxxxxxxxxxR2
Y1	1695-2690	5-6	3	CPxxxxxxxxxxxxxxxxY1
Y2	1695-2690	7-8	4	CPxxxxxxxxxxxxxxxxY2

(Sizes of colored boxes are not true depictions of array sizes)

Ordering Information:

Please visit eCatalog for product details.

Part Number	Beamwidth	Frequency (MHz) / ports	Length	RET option
RRVV-65D-R4	4 x 65°	694-960 / 4-ports 1695-2690 / 4-ports	2.7 m	4 internal CommRET v2 motors; 1 AISG I/O port pair; cascaded SRET mode