

**WIRELESS SOLUTIONS FOR  
ANYONE, ANYWHERE.**



COMMUNICATION COMPONENTS INC.

**BLiNQ**   
NETWORKS

**X300i**



# ■ X300i

## THE MOST COST EFFICIENT LTE COVERAGE

**T**he X300i Small Cell provides the most cost-efficient LTE Coverage in response to today's broadband connectivity needs. Following BLiNQ's unique technology approach, the X300i combines high baseband capability with AAS Concepts to provide a true SDR Solution.

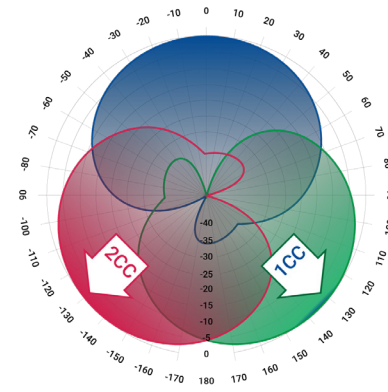
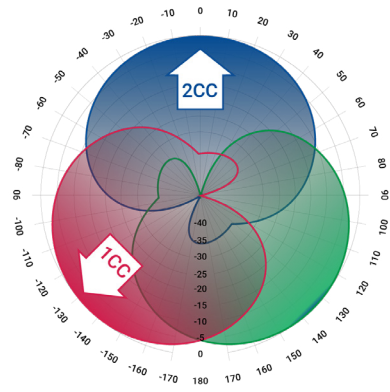
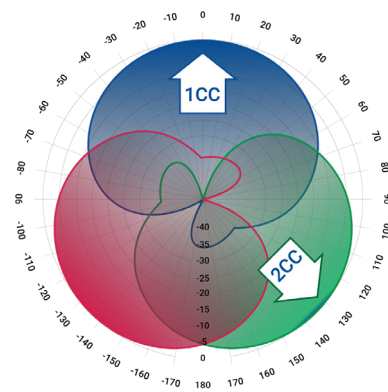
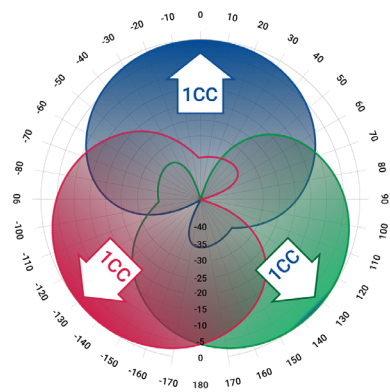
The X300i can be mounted indoor (on a ceiling or table) or outdoor (on a pedestal, pole, or street furniture). It covers 360° of azimuth, powered by an integrated adaptive antenna system of 3 x 90 ° sectors.

This device is an excellent choice for inside-out, or outside-in coverage deployment.

With the X300i, you will be able to route capacity as per ToD, adjusting from 360° coverage to a focused coverage by using carrier aggregation.







MODEL SERIES		
	BASE MODULE	X300i, 3 Sectors Category A
Radio specification		
	Frequency Band	TDD LTE Bands 42, 43, 48, 46
	Transmit Power (Bands 42, 43,48)	33 dBm EIRP/Sector
	Transmit Power (Band 46)	36 dBm EIRP/Sector
	Channel Bandwidth	20MHz (10MHZ, 15MHz Roadmap Support)
	MIMO	6T/6R (several possible MIMO configurations)
	LTE Compliance	3GPP Release 10 (SW upgrade up to Release 13)
Mechanical		
	Dimensions (LxWxD)	330x230x206 mm (13"x9.05"x8.1")
	Survival Wind Speed	> 200 km/hr
	Weight	4.5kg
	Operational Temperature	-40 to 60 °C

Performance & Attributes		
	<b>Connected/Active UEs</b>	Up to 96 active users per sector. 288 active users per Box
	<b>Carrier Aggregation</b>	Supports 1CC and contiguous and non-contiguous 2CC configuration.
	<b>Throughput DL TDD</b>	3GPP Release 10 (SW upgrade to Release 13)
	<b>Throughput UL TDD</b>	3GPP Release 10 (SW upgrade to Release 13)
	<b>Operating Mode</b>	TD-LTE
	<b>Power Consumption</b>	70W
	<b>Power</b>	48VDC (Option 802.3bt Type 4)
	<b>Connectivity</b>	Default: 1 x Copper 1000BaseT   1 x SFP
	<b>Synchronization</b>	Integral GPS receiver (GPS GLONASS BeiDou), Optional: 1588v2
	<b>CBRS</b>	CBSD Type A SAS Support, Integrated Proxy SAS
	<b>Embedded EPC</b>	Software Option
OA&M		
	<b>Configuration</b>	WebUI / CLI, Radio and Ethernet performance monitoring
	<b>EMS Integration</b>	SNMP v2c/v3
	<b>OAM Protocols</b>	NetConf, HTTP(S), TCP/IP, UDP, (S)FTP, SSH, TR-069/TR-196
Antenna Specifications CBRS Bands 42/43/46/48		
	<b>Gain B42/43/48</b>	12dBi
	<b>Gain B46</b>	17dBi
	<b>Azimuth coverage (-5dB)</b>	360°
	<b>Azimuth Beamwidth (-3dB)</b>	75°
	<b>Azimuth Beamwidth (-5dB)</b>	90°
	<b>Elevation BW B42/43/48 (-3dB)</b>	22°
	<b>Elevation BW B46 (-3dB)</b>	10°
	<b>Electrical Downtilt</b>	0°
	<b>Azimuth Sidelobe</b>	< -25 dB (Typ.)
	<b>Front-to-Back Ratio @180°</b>	> 30 dB (Typ.)
	<b>Co-Polar Port-to-Port Isolation</b>	15 dB (Typ.)
	<b>Cross-Polarization Port-to-Port Isolation</b>	> 20dB (Typ.)
	<b>Max. VSWR</b>	1.5:1
	<b>Polarization</b>	Dual Pol 45°
	<b>Lightning Protection</b>	DC Ground

### CONTACT US

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