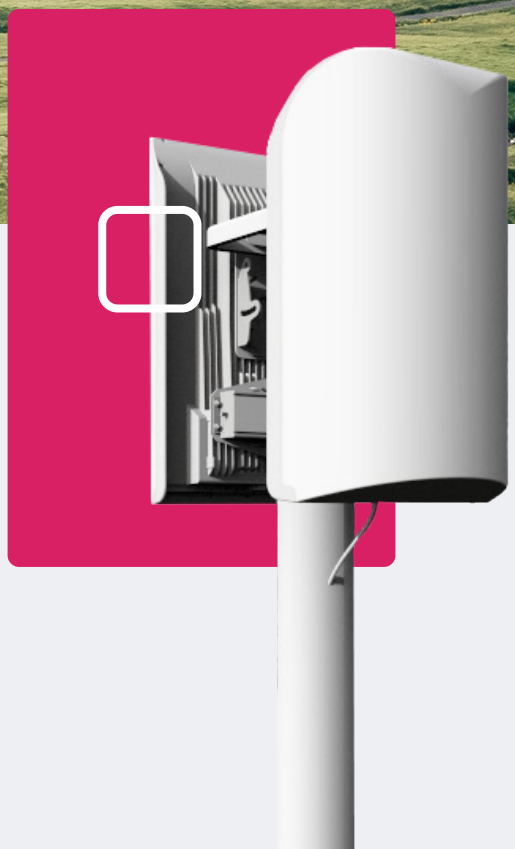
COMMUNICATION COMPONENTS INC.

BLiNQ NETWORKS

WIRELESS SOLUTIONS FOR

ANYONE, ANYWHERE.



FW-300i

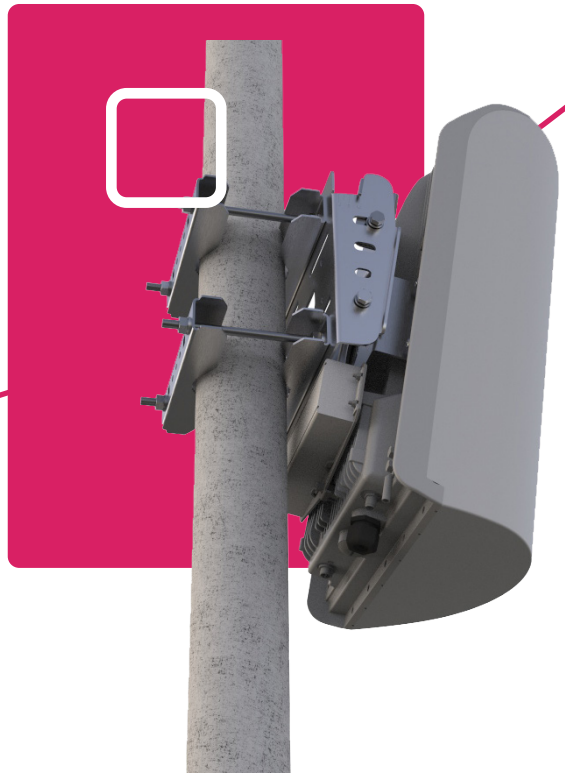
FW-300i

YOUR NETWORK. OUR SOLUTIONS.

About BLiNQ Networks

BLiNQ Networks is a pioneer manufacturer of CBRS-certified fixed access and mobile broadband wireless equipment, providing industry-leading price & performance in LTE and 5G-ready solutions.

FW-300i

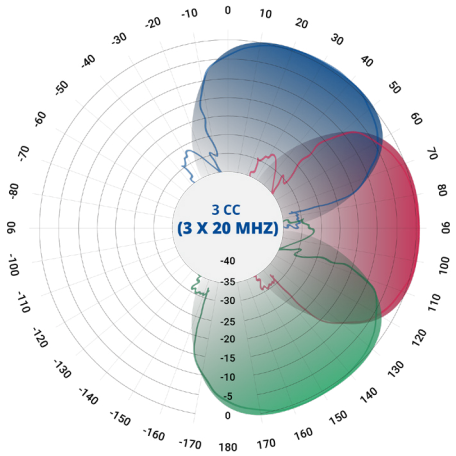


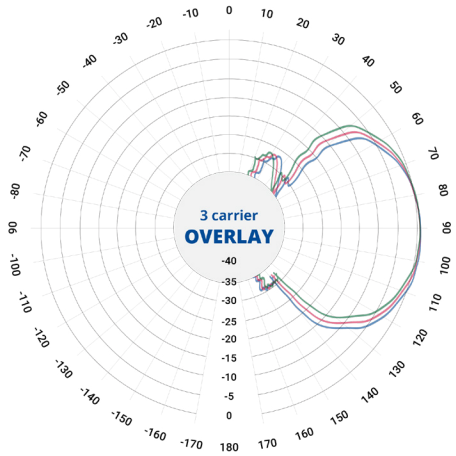
3X COVERAGE & CAPACITY AT 1/3RD THE COST

The FW-300i is a single piece of hardware that is easy to set up, fits anywhere, and provides incredible network capacity. This simple solution fits almost anywhere. From the side of a building or water tower and is ready to go immediately, giving 3x the capacity at 1/3rd the price. Whether you want to expand your network to remote communities or to busy urban intersections, this OnGo Certified product helps you bring LTE connectivity to anyone, anywhere.

FW-300i

USE CASE CONFIGURATIONS





MODEL SERIES		
	BASE STATION	FW-300i
RADIO SPECIFICATION		
	Frequency Band	3.40-3.80 GHz (LTE Band 42/43) 3.55-3.70 GHz (LTE Band 48 - CBRS)
	Transmit Power	17 dBi Integrated Antenna - up to 56 dBm EIRP/Sector LTE Band 42/43: -10 dBm up to +36 dBm per TX port (add 3 dB for aggregate power) LTE Band 48: -10 dBm up to +33 dBm (add 3 dB for aggregate power)
	Channel Bandwidth	3 x 10 MHz or 3 x 20 MHz (15 MHz*)
	MIMO	6TX x 6RX per unit 2TX x 2RX per sector (several possible MIMO configurations)
	LTE Compliance	3GPP Release 10 (SW upgrade to Release 13)
PERFORMANCE & ATTRIBUTES		
	Connected/Active UEs	Up to 96 active users per sector; 288 active users per box
	Carrier Aggregation	Supports contiguous and non-contiguous 1CC, 2CC, 3CC, covers full CBRS band (150 MHz) and full ETSI (B42/43) spectrum
	Throughput DL TDD Config 2-7 (default)	105 Mbps
	Throughput UL TDD Config 2-7 (default)	13 Mbps
	Operating Mode	TD-LTE
	Power Consumption	180 W maximum
	Power	48 VDC
	Connectivity	Default: 1 x Copper 1000BaseT; Optional: 1 x SFP
	Synchronization	Integral GPS antenna (GPS, GLONASS, BeiDou), Optional: External GPS, 1588v2
	CBRS	CBSD Type B SAS Support
	Embedded EPC	Software Option

FW-300i
SPECIFICATIONS

OA&M		
	Configuration	WebUI/CLI, radio and Ethernet performance monitoring
	EMS Integration	SNMP v2c
	OAM Protocols	NETCONF, HTTP(S), (S)FTP, SSH, TR-069/TR-196
ANTENNA SPECIFICATIONS CBRS BANDS 42/43/46/48		
	Gain	17 dBi
	Azimuth coverage (-5 dB)	180°
	Azimuth Beamwidth (-3 dB)	45°
	Azimuth Beamwidth (-5 dB)	60°
	Elevation Beamwidth (- 3 dB)	10°
	Electrical Downtilt	0°
	Azimuth Sidelobe	< -25 dB (Typ.)
	Font-to-Back Ratio @ 180°	> 30 dB (Typ.)
	Co-Polar Port-to-Port Isolation	15 dB (Typ.)
	Cross-Polarization Port-to-Port Isolation	> 20 dB (Typ.)
	Max. VSWR	1.5:1
	Polarization	Dual Pol 45°
	Lightning Protection	DC Ground
MECHANICAL		
	Dimensions (LxWxD)	13.78” x 22.4” x 8.9” (350 mm x 570 mm x 227 mm)
	Survival Wind Speed	> 124 mph (200 km/hour)
	Weight	26.5 lbs. (12.0 Kg)
	Operational Temperature	-40 to 60 °C (-40 to 140 °F)
	Mechanical Uptilt/Downtilt	0° - 10°

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