

# WIRELESS SOLUTIONS FOR ANYONE, ANYWHERE.



COMMUNICATION COMPONENTS INC.  
**BLINQ** NETWORKS



## FW-300i

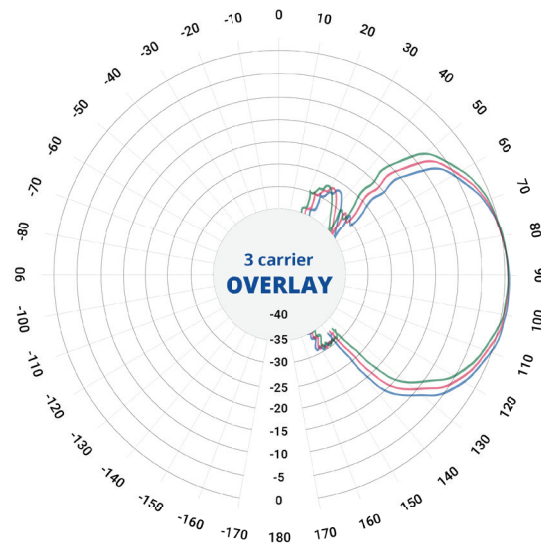
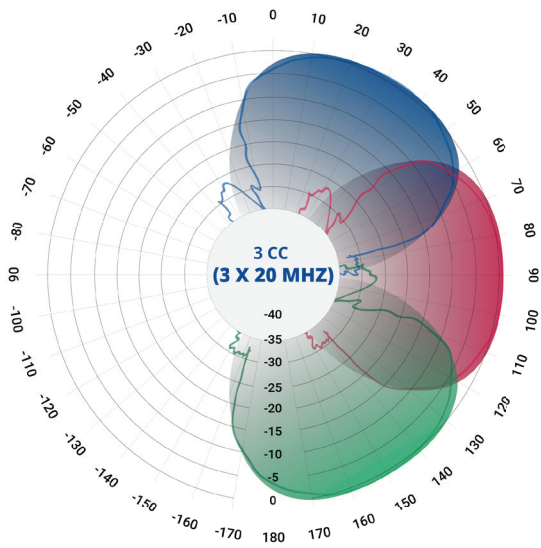
# ■ FW-300i

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

**T**he 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. Provide incredible connectivity using this single box solution.







# FW-300i

## SPECIFICATIONS

| MODEL SERIES                       |   |
|------------------------------------|---|
| BASE MODULE                        | FW-300, 3 Sectors   |
| Radio Specification                |   |
| Frequency Band                     | TDD LTE Bands 42, 43, 48, 46  |
| Transmit Power (Bands 42, 43,48) * | Max 33 dBm / sector of 60deg<br>17 dBi Integrated Antenna -> 50 dBm EIRP/Sector               |
| Channel Bandwidth                  | 10, 20MHz (15 MHz Roadmap Support)  |
| MIMO                               | 6Tx x 6Rx (several possible MIMO configurations)  |
| LTE Compliance                     | 3GPP Release 10 (SW upgrade up 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, over entire band                        |
| Throughput DL TDD                  | 3GPP Release 10 (SW upgrade to Release 13)  |
| Throughput UL TDD                  | 3GPP Release 10 (SW upgrade to Release 13)  |
| Operating Mode                     | TD-LTE  |
| Power Consumption (Band 46)        | 80W max.  |
| Power Consumption (Band 42,43,48)  | 150W max.   |
| Power                              | 48V DC  |
| Connectivity                       | Default: 1 x Copper 1000BaseT & 1 x SFP   |
| Synchronization                    | Integral GPS receiver (GPS GLONASS BeiDou), Extra PPS Port,<br>Optional: External GPS, 1588v2 |
| CBRS                               | CBSD Type B SAS Support, Integrated Domain Proxy SAS  |
| Embedded EPC                       | Software Option   |

# FW-300i

## SPECIFICATIONS



| 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</b>                                       | 17dBi   |
|   | <b>Azimuth coverage (-5dB)</b>                    | 180°  |
|   | <b>Azimuth Beamwidth (-3dB)</b>                   | 45°   |
|   | <b>Azimuth Beamwidth (-5dB)</b>                   | 60°   |
|   | <b>Elevation Beamwidth (- 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   |
| Mechanical                                    |   |   |
|   | <b>Dimensions (LxWxD)</b>                         | 350x570x227 mm (13.78"x22.4"x8.9")                        |
|   | <b>Survival Wind Speed</b>                        | > 200 km/hr   |
|   | <b>Weight</b>                                     | 12.0 kg   |
|   | <b>Operational Temperature</b>                    | -40 to 60 °C  |
|   | <b>Mechanical Up/Down Tilt</b>                    | 0° ,5° ,10°   |

### CONTACT US

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