



CONNECTING COMMUNITIES THROUGH  
**WIRELESS SOLUTIONS**



PCW-400i



# PCW-400i



## DUAL INTEGRATED ENTERPRISE 5G SMALL CELL & WI-FI AP

The PCW-400i Wi-Fi enabled 5G small cell is highly capable in resolving new enterprise challenges. This includes seamless mobility, reliability, and cloud-native security, providing the coverage and connection resiliency that 5G intended. As a 5G NR fully integrated small cell, it operates in n48, n77 and n78\* bands, in addition to the three bands from Wi-Fi 7 standard and supports up to 128 users at the same time. Note that the PCW-400i can operate as a dual band, dual cell fully integrated gNodeB. This level of integration introduces a unique low-cost entry point for small and medium-sized businesses to take connectivity to a new level.

With a sleek and compact design, the PCW-400i offers unprecedented data capacity and user QoE by combining 5G and Wi-Fi together in an easy to install and operating solution. Optimized to mount on ceilings, it supports simultaneous 5G and Wi-Fi connectivity enabling frequency redundancy and interference mitigation.

Deployment is simplified by an EasyLiNQ onboarding app that provides step-by-step instructions for proper installation and placement of one or multiple PCW-400i without the need for complex RF planning exercises and configurations, thus eliminating the need for expensive professional installation assistance.

The PCW-400i is managed by BLiNQ's NetLiNQ EMS and SON suite and can interface with any third-party SMO (Service Management & Orchestration) based on standard O1 (O-RAN) management interfaces.

For CBRS band networks, the PCW-400i implements both n48 connectivity options - a stand-alone CBSD agent, as well as connectivity to a SAS PROXY embedded in the NetLiNQ SON software.



**5G NR Dual 2T2R / 4T4R Cell,  
200 MHz OBW/IBW**



**Max. Throughput: 8 Gbps  
Of Aggregated 5G & Wi-Fi**

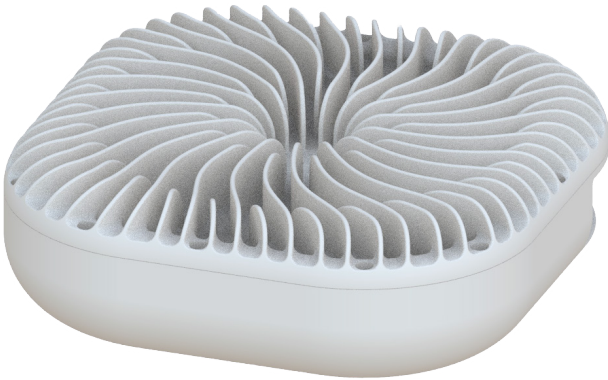


**2T2R Triband  
Wi-Fi 6E/7 AP**



# PCW-400i

## OVERVIEW

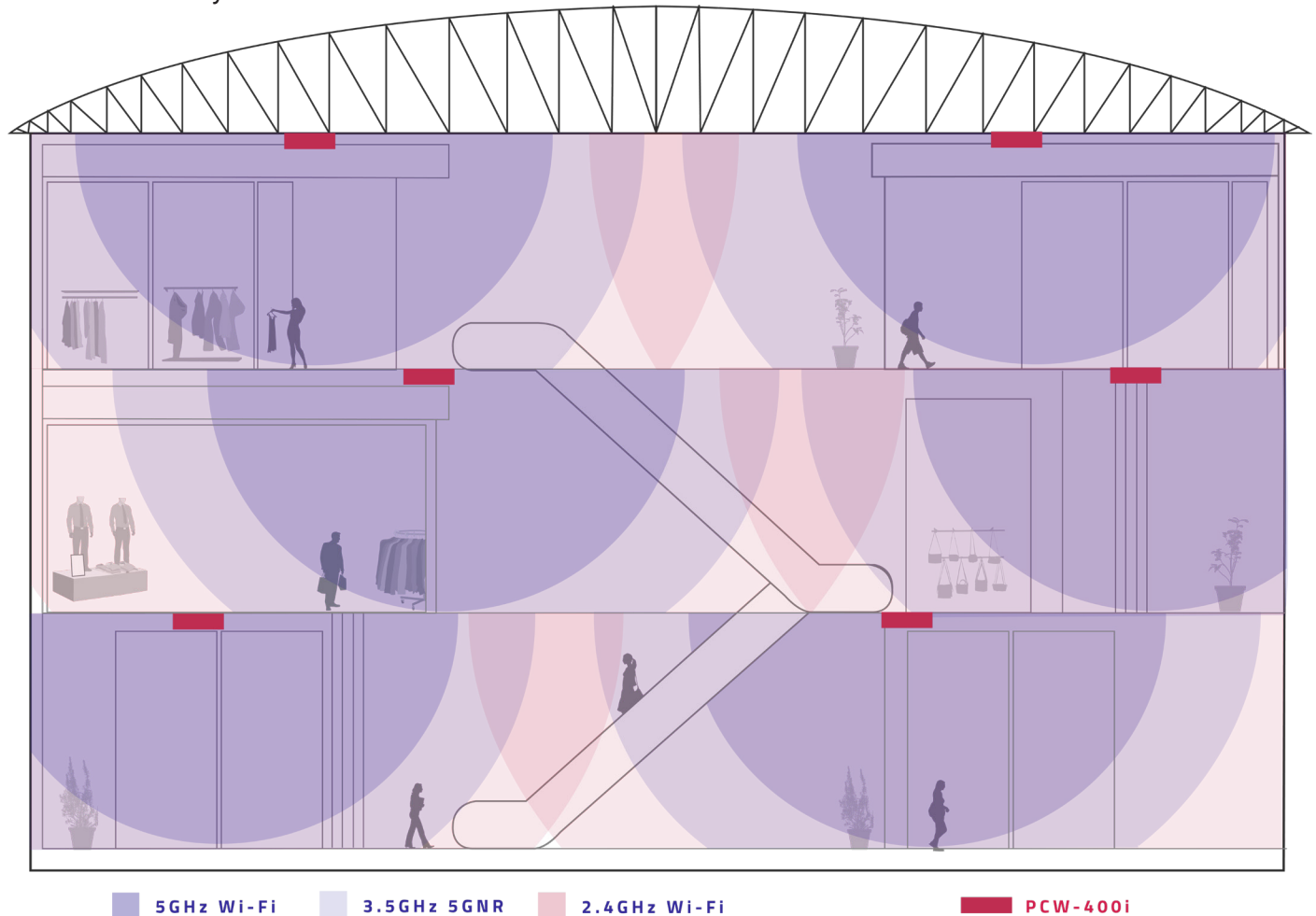


### OTHER FEATURES AND BENEFITS:

- **Supports 5G bands n48, n77 and n78**  
This covers 3550-3700 MHz (CBRS), 3300-4200 MHz and 3300-3800 MHz respectively.
- **360° Coverage**  
Eliminates dead zones in the network
- **Integrated Antenna**  
Hassle-free, simple deployment
- **Supports Carrier Aggregation**  
Up to 4 CC
- **Supports All 5G FR1 TDD Configurations**  
Applies to both Dual 2T2R and 4T4R
- **Supports 1588 and Network Listen Mode (NLM)**

### ADDITIONAL ORDERING OPTIONS:

- **gNB only (No Wi-Fi)**  
For lower cost
- **With Embedded UPF**  
For low latency use cases





# PCW-400i

## SPECIFICATIONS



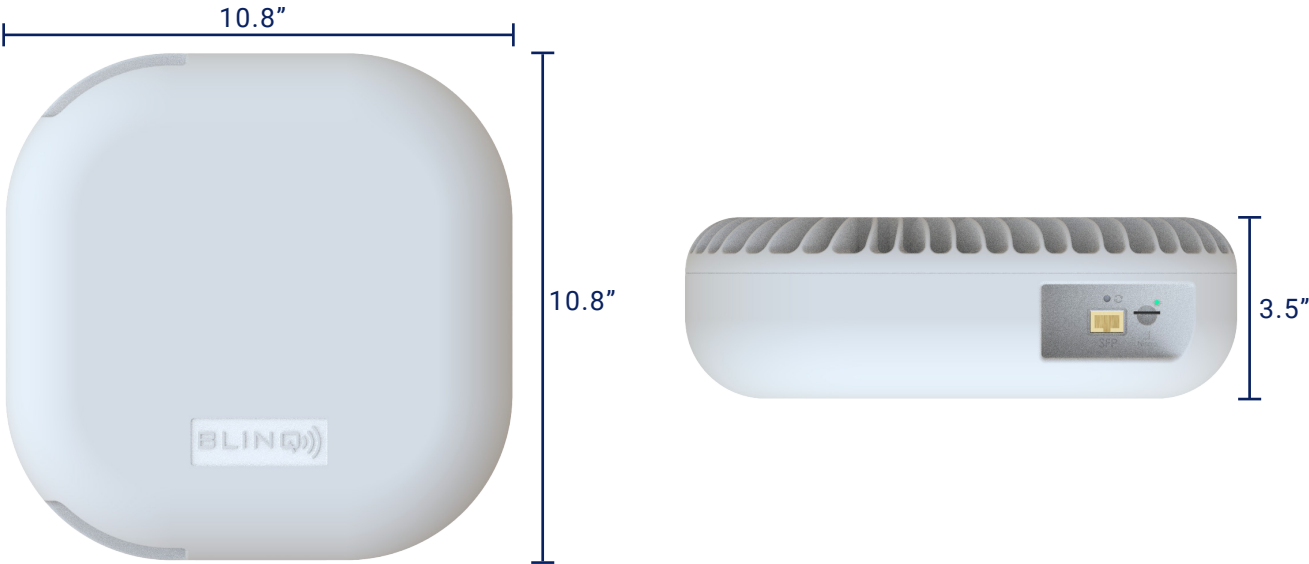
RADIO SPECIFICATIONS	
<b>3GPP Compliance</b>	3GPP Rel. 16
<b>5G Frequency Bands</b>	3.3-3.8 GHz (n48/n77/n78)
<b>5G RF</b>	4T4R, MU-MIMO
<b>5G EIRP</b>	Up to 36 dBm
<b>Peak 5G Antenna Gain</b>	7 dBi
<b>5G IBW/OBW</b>	200/200 MHz
<b>5G Channel BW</b>	10, 20, 40, 80, 100 MHz
<b>Dual RAT</b>	5G/LTE option
<b>Wi-Fi Standard / Frequency Bands</b>	Wi-Fi 7 (802.11be) / 2.4 GHz, 5.x GHz, 6.x GHz
<b>Peak Wi-Fi Antenna Gain</b>	7 dBi (Omni)
<b>Wi-Fi Channel BW</b>	Up to 320 MHz
<b>Wi-Fi MIMO</b>	2T2R
<b>Wi-Fi Mesh</b>	Easy Mesh, Multi-Link
PERFORMANCE & ATTRIBUTES	
<b>5G NR Radio Standard Support / Frame Structure</b>	5G NR / 3GPP Compliance
<b>5G NR Duplex Mode</b>	TDD
<b>5G Number of Component Carriers (CC)</b>	Up to 4CC
<b>Aggregated Throughput</b>	Wi-Fi: 6 Gbps 5G NR: 2 Gbps
<b>Power Consumption</b>	60 W
<b>Synchronization</b>	1588v2 and NLM
<b>5G Citizens Broadband Radio Service (CBRS)</b>	CBSD Cat. A
<b>Wi-Fi Automated Frequency Coordination (AFC) Support</b>	Standard Power
ELECTRICAL & INTERFACES	
<b>Physical Interfaces</b>	2.5G Ethernet with PoE & 10G SFP+, Reset Button
<b>Power</b>	12 VDC, PoE
<b>Rating</b>	IP65
MECHANICAL	
<b>Dimensions (L x W x D)</b>	10.8" x 10.8" x 3.5" (275 x 275 x 90 mm)
<b>Weight</b>	7.28 lbs (3.3 kg)
<b>Operational Temperature</b>	32 °F to 140 °F (0 °C to 50 °C)



**PCW-400i**  
SPECIFICATIONS



SOFTWARE	
Embedded UPF	Optional
Management Protocols	O-RAN based (NETCONF, WebSocket, REST/HTTPS), TR-069, TR-369
Network	IPsec, WireGuard
5GC Connectivity	Stand-alone (SA)
Wi-Fi Security	WPA3-Enterprise, Firewall, Passpoint/Hotspot 2.0
Configuration	WebUI, CLI, NMS
SAFETY AND ENVIRONMENTAL COMPLIANCE	
FCC Title 47 CFR Part 15, Subpart B	Yes
FCC Part 96 Base Station	Yes
UL 62368-1 Safety	Yes
CBRS OnGo Alliance	Yes
ETSI 301 908-14	Yes
ETSI 301 908-1	Yes
ETSI 301 489-50	Yes
ETSI 300 019-1-3	Yes







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**CONTACT US**

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