

DATA SHEET

Celona 5G LAN Subscriptions

Designed ground up for private wireless enterprise customers

Celona 5G LAN delivers an end-to-end solution from the radio, core, spectrum management to network and subscriber management systems to easily deploy private wireless solutions at enterprises. By offering this turn-key solution as a subscription inclusive of hardware, software, support and warranty, Celona is further enabling ease of engagement with customers.



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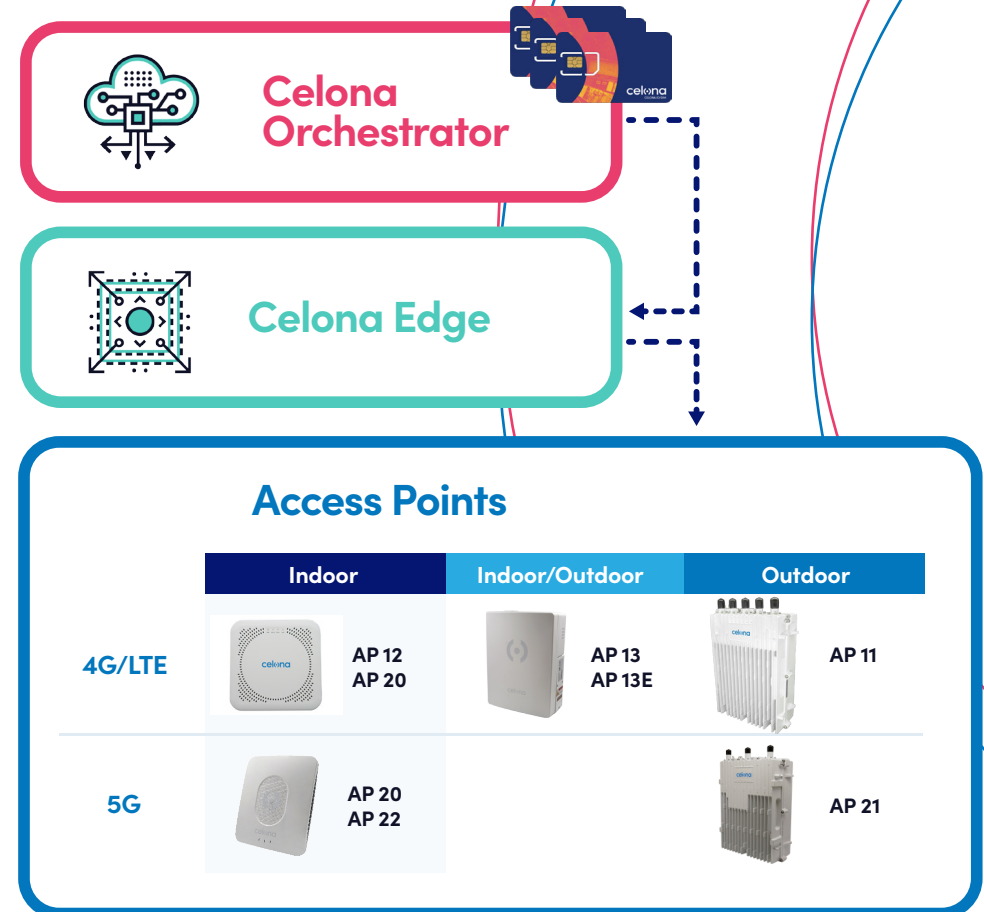
Celona 5G LAN

Unlike traditional small cells that require configuration of various radio parameters and integration with mobile core from a third party vendor, Celona LTE/5G private wireless service subscriptions are included as a part of Celona's 5G LAN platform that integrates the essential elements including access points, LTE/5G core network edge hardware/software, radio resource management software and cloud-based orchestration tools specifically designed and developed for enterprise network use-cases.

5G LAN Value Prop

- Turn-key solution, designed for the enterprise
- Deterministic performance for mission-critical applications
- Enterprise friendly management and operations
- Global 5G private wireless spectrums supported by AP 21 and AP 22
- Secure Wireless Communications

Celona's 5G LAN



What's included?

Access Point enables LTE/5G private wireless network (detailed AP specifications can be found at celona.io/access-points).

AP Accessories facilitate installation & AP bring up.

AP 11 / AP 21

- Mount bracket for pole and wall mount
- GPS mount kit
- Power adapter with regional plugs
- SFP optical module

AP 12 / AP 20 / AP 22

- Wall and Ceiling Mount
- T-Bar Mount
- PoE injector

AP 13/AP 13E

- Pole and Wall Mount
- PoE injector
- GPS antenna for AP 13E (built-in GPS synchronization for AP 13)

Celona SIM Cards connect devices to Celona 5G LAN network.

AP 12 / AP 20 / AP 22

- 20 SIM cards included per AP

AP 11 / AP 13 / AP13E / AP 21

- 40 SIM cards included per AP

Celona Edge Software delivers the required control and data plane services for a private mobile network

Celona Orchestrator enables Celona 5G LAN network configuration, SIM provisioning, policy automation, KPI monitoring, AI-powered assistance and more.

- Celona access points are covered with limited lifetime warranty as long as they are operational under an active subscription
- Celona express technical support is included
- All Celona access points conform with regional certifications & compliance requirements (details can be found at celona.io/access-points)

Edge Appliance and External Antennas are purchased separately.

Ordering made easy

1 Pick Access Point

- 5G/4G
- Indoor/Outdoor
- 48/n77/n78
- Select antenna

2 Pick a Subscription (3-yr, 5-yr)

- Access Point Hardware
- Celona Edge Software
- Celona Orchestrator
- SIM cards
- Support and Warranty
- Renewals: 1-yr, 2-yr

3 Order Appliance

- Pre configured Celona Edge
- Sizing based on # APs

Ordering Information

4G Subscription SKU	Description	Included Access Point
CN-SUB-INDI-3	3 year indoor 4G private wireless service subscription for one indoor access point including management, SIM provisioning, mobile core services via Celona Edge and Celona Orchestrator software. Includes 4G category A b48 (3550-3700 MHz) access point with integrated antennas, Celona express technical support, limited lifetime warranty and 20 private SIM cards.	AP12
CN-SUB-INDI-5	5 year indoor 4G private wireless service subscription for one indoor access point including management, SIM provisioning, mobile core services via Celona Edge and Celona Orchestrator software. Includes 4G category A b48 (3550-3700 MHz) access point with integrated antennas, Celona express technical support, limited lifetime warranty and 20 private SIM cards.	AP12
CN-SUB-OUTE-3	3 year outdoor 4G private wireless service subscription for one outdoor access point including management, SIM provisioning, mobile core services via Celona Edge and Celona Orchestrator software. Includes 4G category B b48 (3550-3700 MHz) access point, Celona express technical support, limited lifetime warranty and 40 private SIM cards. Separate external antennas purchase required.	AP11
CN-SUB-OUTE-5	5 year outdoor 4G private wireless service subscription for one outdoor access point including management, SIM provisioning, mobile core services via Celona Edge and Celona Orchestrator software. Includes 4G category B b48 (3550-3700 MHz) access point, Celona express technical support, limited lifetime warranty and 40 private SIM cards. Separate external antennas purchase required.	AP11

Ordering Information

4G Subscription SKU	Description	Included Access Point
<p>CN-SUB-MPWE-3</p>	<p>3 year 4G private wireless service subscription for one medium power access point including management, SIM provisioning, mobile core services via Celona Edge software and Celona Orchestrator cloud service. Includes 4G category A/B b48 (3550–3700 MHz) access point, Celona express technical support, limited lifetime warranty and 40 private SIM cards. Separate external antennas purchase required.</p>	<p>AP13E</p>
<p>CN-SUB-MPWE-5</p>	<p>5 year 4G private wireless service subscription for one medium power access point including management, SIM provisioning, mobile core services via Celona Edge software and Celona Orchestrator cloud service. Includes 4G category A/B b48 (3550–3700 MHz) access point, Celona express technical support, limited lifetime warranty and 40 private SIM cards. Separate external antennas purchase required.</p>	<p>AP13E</p>
<p>CN-SUB-MPWI-3</p>	<p>3 year 4G private wireless service subscription for one medium power access point including management, SIM provisioning, mobile core services via Celona Edge software and Celona Orchestrator cloud service. Includes 4G category A/B b48 (3550–3700 MHz) access point with integrated antennas, Celona express technical support, limited lifetime warranty and 40 private SIM cards.</p>	<p>AP13</p>
<p>CN-SUB-MPWI-5</p>	<p>5 year 4G private wireless service subscription for one medium power access point including management, SIM provisioning, mobile core services via Celona Edge software and Celona Orchestrator cloud service. Includes 4G category A/B b48 (3550–3700 MHz) access point with integrated antennas, Celona express technical support, limited lifetime warranty and 40 private SIM cards.</p>	<p>AP13</p>
5G & Multi-mode Subscription SKU	Description	Included Access Point
<p>C-S-5G-48-TX-X-3</p>	<p>3 year outdoor 5G private wireless service subscription for one outdoor access point including management, SIM provisioning, mobile core services via Celona Edge software and Celona Orchestrator cloud service. Includes 5G category B n48 (3550–3700 MHz) access point, Celona express technical support, limited lifetime warranty and 40 private SIM cards. Separate external antenna purchase required.</p>	<p>AP21-48</p>

Ordering Information

5G & Multi-mode Subscription SKU

Description

Included Access Point

5G & Multi-mode Subscription SKU	Description	Included Access Point
C-S-5G-78H-TX-X-3	3 year outdoor 5G private wireless service subscription for one outdoor access point including management, SIM provisioning, mobile core services via Celona Edge software and Celona Orchestrator cloud service. Includes 5G outdoor n78H (3600–3800 MHz) access point, Celona express technical support, limited lifetime warranty and 40 private SIM cards. Separate external antenna purchase required.	AP21-78H
C-S-5G-77-TX-X-3	3 year outdoor 5G private wireless service subscription for one outdoor access point including management, SIM provisioning, mobile core services via Celona Edge software and Celona Orchestrator cloud service. Includes 5G outdoor n77 (3800–4200 MHz) access point, Celona express technical support, limited lifetime warranty and 40 private SIM cards. Separate external antenna purchase required.	AP21-77
C-S-5G-48-TX-X-5	5 year outdoor 5G private wireless service subscription for one outdoor access point including management, SIM provisioning, mobile core services via Celona Edge software and Celona Orchestrator cloud service. Includes 5G category B n48 (3550–3700 MHz) access point, Celona express technical support, limited lifetime warranty and 40 private SIM cards. Separate external antenna purchase required.	AP21-48
C-S-5G-78H-TX-X-5	5 year outdoor 5G private wireless service subscription for one outdoor access point including management, SIM provisioning, mobile core services via Celona Edge software and Celona Orchestrator cloud service. Includes 5G outdoor n78H (3600–3800 MHz) access point, Celona express technical support, limited lifetime warranty and 40 private SIM cards. Separate external antenna purchase required.	AP21-78H
C-S-5G-77-TX-X-5	5 year outdoor 5G private wireless service subscription for one outdoor access point including management, SIM provisioning, mobile core services via Celona Edge software and Celona Orchestrator cloud service. Includes 5G outdoor n77 (3800–4200 MHz) access point, Celona express technical support, limited lifetime warranty and 40 private SIM cards. Separate external antenna purchase required.	AP21-77

Ordering Information

5G & Multi-mode Subscription SKU

Description

Included Access Point

5G & Multi-mode Subscription SKU	Description	Included Access Point
C-S-5G-48-NN-X-3	3 year indoor 5G private wireless service subscription for one indoor access point including management, SIM provisioning, mobile core services via Celona Edge software and Celona Orchestrator cloud service. Includes 5G category A n48 (3550-3700 MHz) access point, Celona express technical support, limited lifetime warranty and 20 private SIM cards.	AP22-48
C-S-5G-78-NN-X-3	3 year indoor 5G private wireless service subscription for one indoor access point including management, SIM provisioning, mobile core services via Celona Edge software and Celona Orchestrator cloud service. Includes 5G indoor n78 (3300-3800 MHz) access point, Celona express technical support, limited lifetime warranty and 20 private SIM cards.	AP22-78
C-S-5G-77-NN-X-3	3 year indoor 5G private wireless service subscription for one indoor access point including management, SIM provisioning, mobile core services via Celona Edge software and Celona Orchestrator cloud service. Includes 5G indoor n77 (3800-4200 MHz) access point, Celona express technical support, limited lifetime warranty and 20 private SIM cards.	AP22-77
C-S-5G-48-NN-X-5	5 year indoor 5G private wireless service subscription for one indoor access point including management, SIM provisioning, mobile core services via Celona Edge software and Celona Orchestrator cloud service. Includes 5G category A n48 (3550-3700 MHz) access point, Celona express technical support, limited lifetime warranty and 20 private SIM cards.	AP22-48
C-S-5G-78-NN-X-5	5 year indoor 5G private wireless service subscription for one indoor access point including management, SIM provisioning, mobile core services via Celona Edge software and Celona Orchestrator cloud service. Includes 5G indoor n78 (3300-3800 MHz) access point, Celona express technical support, limited lifetime warranty and 20 private SIM cards.	AP22-78
C-S-5G-77-NN-X-5	5 year indoor 5G private wireless service subscription for one indoor access point including management, SIM provisioning, mobile core services via Celona Edge software and Celona Orchestrator cloud service. Includes 5G indoor n77 (3800-4200 MHz) access point, Celona express technical support, limited lifetime warranty and 20 private SIM cards.	AP22-77

Ordering Information

5G & Multi-mode Subscription SKU

Description

Included Access Point

5G & Multi-mode Subscription SKU	Description	Included Access Point
C-S-5G-48-NNM-X-3	3 year indoor 5G private wireless service subscription for one multi-mode indoor access point including management, SIM provisioning, mobile core services via Celona Edge software and Celona Orchestrator cloud service. Includes multi-mode category A CBRS (3550-3700 MHz) access point that can be used in 4G/5G modes, Celona express technical support, limited lifetime warranty and 20 private SIM cards.	AP20
C-S-5G-48-NNM-X-5	5 year indoor 5G private wireless service subscription for one multi-mode indoor access point including management, SIM provisioning, mobile core services via Celona Edge software and Celona Orchestrator cloud service. Includes multi-mode category A CBRS (3550-3700 MHz) access point that can be used in 4G/5G modes, Celona express technical support, limited lifetime warranty and 20 private SIM cards.	AP20
C-S-4G-48-NNM-X-3	3 year indoor 4G private wireless service subscription for one multi-mode indoor access point including management, SIM provisioning, mobile core services via Celona Edge software and Celona Orchestrator cloud service. Includes multi-mode category A CBRS (3550-3700 MHz) access point that can be used in 4G mode, Celona express technical support, limited lifetime warranty and 20 private SIM cards.	AP20
C-S-4G-48-NNM-X-5	5 year indoor 4G private wireless service subscription for one multi-mode indoor access point including management, SIM provisioning, mobile core services via Celona Edge software and Celona Orchestrator cloud service. Includes multi-mode category A CBRS (3550-3700 MHz) access point that can be used in 4G mode, Celona express technical support, limited lifetime warranty and 20 private SIM cards.	AP20
C-S-5G-48-NNM-X-3-C	Add-on 5G software upgrade for an existing 3 year indoor 4G private wireless service subscription for one multi-mode indoor access point including management, SIM provisioning, mobile core services via Celona Edge software and Celona Orchestrator cloud service.	AP20
C-S-5G-48-NNM-X-5-C	Add-on 5G software upgrade for an existing 5 year indoor 4G private wireless service subscription for one multi-mode indoor access point including management, SIM provisioning, mobile core services via Celona Edge software and Celona Orchestrator cloud service.	AP20

Ordering Information

4G Renewal SKU

Description

Supported Access Point

4G Renewal SKU	Description	Supported Access Point
CN-SUB-INDI-1-R	1 year renewal of 4G private wireless service subscription for one existing indoor access point including management, SIM provisioning, mobile core services via Celona Edge, Celona Orchestrator cloud service, and Express technical support.	AP12
CN-SUB-OUTE-1-R	1 year renewal of 4G private wireless service subscription for one existing outdoor access point including management, SIM provisioning, mobile core services via Celona Edge, Celona Orchestrator cloud service, and Express technical support.	AP11
CN-SUB-MPWE-1-R	1 year renewal of 4G private wireless service subscription for one existing medium power access point including management, SIM provisioning, mobile core services via Celona Edge, Celona Orchestrator cloud service, and Express technical support.	AP13E
CN-SUB-MPWI-1-R	1 year renewal of 4G private wireless service subscription for one existing medium power access point with integrated antennas including management, SIM provisioning, mobile core services via Celona Edge, Celona Orchestrator cloud service, and Express technical support.	AP13
CN-SUB-INDI-2-R	2 year renewal of 4G private wireless service subscription for one existing indoor access point including management, SIM provisioning, mobile core services via Celona Edge, Celona Orchestrator cloud service, and Express technical support.	AP12
CN-SUB-OUTE-2-R	2 year renewal of 4G private wireless service subscription for one existing outdoor access point including management, SIM provisioning, mobile core services via Celona Edge, Celona Orchestrator cloud service, and Express technical support.	AP11
CN-SUB-MPWE-2-R	2 year renewal of 4G private wireless service subscription for one existing medium power access point including management, SIM provisioning, mobile core services via Celona Edge, Celona Orchestrator cloud service, and Express technical support.	AP13E

Ordering Information

4G Renewal SKU

Description

Supported
Access Point

CN-SUB-MPWI-2-R

2 year renewal of 4G private wireless service subscription for one existing medium power access point with integrated antennas including management, SIM provisioning, mobile core services via Celona Edge, Celona Orchestrator cloud service, and Express technical support.

AP13

Ordering Information

EXAMPLE 1

Example #1	SKU	Qty	Description
<p>Region: US</p> <p>Network type: 4G b48</p> <p>Subscription Term: 3-yr</p> <p>Network design:</p> <ul style="list-style-type: none"> • 3 Indoor AP 12 • 1 Outdoor AP 11 with • 90D Antennas (2 per AP) • 2 Medium Power AP 13 • Express Edge Appliance 	CN-SUB-INDI-3	3	3 year indoor 4G private wireless service subscription for one indoor access point including management, SIM provisioning, mobile core services via Celona Edge and Celona Orchestrator software. Includes 4G category A b48 (3550-3700 MHz) access point with integrated antennas, Celona express technical support, limited lifetime warranty and 20 private SIM cards.
	CN-SUB-OUTE-3	1	3 year outdoor 4G private wireless service subscription for one outdoor access point including management, SIM provisioning, mobile core services via Celona Edge and Celona Orchestrator software. Includes 4G category B b48 (3550-3700 MHz) access point, Celona express technical support, limited lifetime warranty and 40 private SIM cards. Separate external antennas purchase required.
	CN-ANT-90D-KIT	2	90-degree sector antenna with 3.3-3.8GHz frequency range, polarization type of 45 degree slant, 16.7 dBi gain, 6.5 degree vertical beamwidth, 45 degree horizontal beamwidth, 2 degree electrical downtilt, 31 dB front to back ratio, 2 x Type N Female connectors and 1-year warranty. Each antenna comes with an accessory kit of two surge protectors and two 10-ft LMR400 antenna cables. Each Celona outdoor AP 11 has four connectors and requires two 2-port external antennas.
	CN-SUB-MPWI-3	2	3 year 4G private wireless service subscription for one medium power access point including management, SIM provisioning, mobile core services via Celona Edge software and Celona Orchestrator cloud service. Includes 4G category A/B b48 (3550-3700 MHz) access point with integrated antennas, Celona express technical support, limited lifetime warranty and 40 private SIM cards.
	CN-EDGE-EXP	1	Celona Edge Express appliance provisioned with Celona Edge software to work with the Celona Orchestrator, supporting up to 40 access points

Ordering Information

EXAMPLE 2

Example #2	SKU	Qty	Description
Region: US Network type: 5G n48 Subscription Term: 5-yr Network design: <ul style="list-style-type: none"> • 5 Indoor Multi-Mode AP 20 • 2 Outdoor AP 21 with • Omni Antenna (1 per AP) • 1 Enterprise Edge Appliance 	C-S-5G-48-NNM-X-5	5	5 year indoor 5G private wireless service subscription for one multi-mode indoor access point including management, SIM provisioning, mobile core services via Celona Edge software and Celona Orchestrator cloud service. Includes multi-mode category A CBRS (3550-3700 MHz) access point that can be used in 4G/5G modes, Celona express technical support, limited lifetime warranty and 20 private SIM cards.
	C-S-5G-48-TX-X-5	2	5 year outdoor 5G private wireless service subscription for one outdoor access point including management, SIM provisioning, mobile core services via Celona Edge software and Celona Orchestrator cloud service. Includes 5G category B n48 (3550-3700 MHz) access point, Celona express technical support, limited lifetime warranty and 40 private SIM cards. Separate external antenna purchase required.
	CN-ANT-OMNI-KIT	2	Omni-directional antenna with 3.3-3.8GHz frequency range, horizontal/vertical polarization type, 13 dBi gain, 7 degree vertical beamwidth, 360 degree horizontal beamwidth, 1 degree electrical downtilt, 30 dB port isolation, 2 x Type N Female connectors and 1-year warranty. Each antenna comes with an accessory kit of two surge protectors and two 10-ft LMR400 antenna cables. Each Celona outdoor AP 21 has two connectors and requires one 2-port external antennas.
	CN-EDGE-ENT	1	Celona Edge Enterprise appliance provisioned with Celona Edge software to work with the Celona Orchestrator, supporting up to 125 access points.

Ordering Information

EXAMPLE 3

Example #3	SKU	Qty	Description
Region: EU	C-S-5G-78H-TX-X-3	10	3 year outdoor 5G private wireless service subscription for one outdoor access point including management, SIM provisioning, mobile core services via Celona Edge software and Celona Orchestrator cloud service. Includes 5G outdoor n78H (3600–3800 MHz) access point, Celona express technical support, limited lifetime warranty and 40 private SIM cards. Separate external antenna purchase required.
Network type: 5G n78H			
Subscription Term: 3-yr	CN-ANT-65D-KIT	10	65-degree sector antenna with 3.3–3.8 GHz frequency range, polarization type of 45 degree slant, 17 dBi gain, 6 degree vertical beamwidth, 62 degree horizontal beamwidth, 38 dB front to back ratio, 2 x Type N Female connectors and 1-year warranty. Each antenna comes with an accessory kit of two surge protectors and two 10-ft LMR400 antenna cables. Each Celona outdoor AP 21 has two connectors and requires one 2-port external antennas.
Network design:			
<ul style="list-style-type: none">• 10 Outdoor AP 21 with• 65D Antenna (1 per AP)• 1 Enterprise Edge Cluster			
	CN-EDGE-ENT-CLUSTER	1	3 Celona Edge Enterprise appliances as a cluster provisioned with Celona Edge software for high availability and scale. Allows for addition of Celona Edge Enterprise appliances to further scale. Supports up to 300 access points.

