Date

**Celona AP21-48 to AP25-48 Hardware Transition FAQ**

**Why is Celona transitioning from AP21-48 to AP25-48?**

Celona is proactively transitioning from AP21-48 to AP25-48 to ensure long-term supply chain resilience and alignment Celona has partnered with a TAA-compliant, manufacturer with a strong track record in cellular and Wi-Fi technologies to deliver the AP25-48. This strategic move strengthens compliance posture, reduces operational risk, and secures a scalable platform for future private wireless growth.

**When will the AP25-48 be FCS (First Customer Shipment)?**

AP25-48 FCS is targeted for September 2025.

**What changes should customers expect in this transition?**

No changes to performance, coverage, or antenna patterns. The AP25-48 uses the same antennas as AP21-48. Ports, interfaces, and mechanical installation remain identical, with only minor differences in LED behavior, power supply, and connectors.

**Will mixed deployments with AP21-48 and AP25-48 be supported?**

Yes. Mixed deployments are fully supported, with no impact to handoffs, coverage, or management.

**Are RF planning and antenna characteristics affected?**

No. The AP25-48 maintains identical external antenna configuration with N-type connectors and same RF characteristics (2x2 MIMO, 256 QAM, 20/40 MHz).

**Is requalification or retesting needed?**

No rework or requalification needed. AP25-48 supports existing SFPs and antennas; only the mount differs.

**Does this transition apply globally?**

This transition applies specifically to the n48 band and U.S. market deployments. For international markets, Celona will continue to position AP21 for n77, n78, and n79 bands.

**Will Celona replace existing AP21-48 units?**

No. There is no need to replace existing AP21-48 units as they remain fully supported.

**RMA**

For RMAs, Celona will continue to provide AP21-48 units while inventory lasts. Once supplies are exhausted, AP25-48 will be provided as the replacement.

**Do I need to change cables or mounting hardware?**

No. The AP25-48 is fully compatible with external N-type antenna cables. However, the mounts are different.

**Can I use AP25-48 in greenfield and brownfield deployments?**

Yes. AP25-48 supports both new site deployments (greenfield) and existing network expansion scenarios (brownfield) with no changes required to your current deployment plans.

**Would there be any change to pricing?**

There will be no change to Celona AP subscription pricing.

**What happens when I renew my subscription, or when my subscription expires?**

There will be no changes to the AP hardware at the subscription renewal unless the currently installed AP hardware has reached End-of-Sale (EOS).

**After the End-of-Support (EoST) date, Does the customers need to purchase a new 3-year subscription?**

Once a product reaches End-of-Support (EoST), customers are encouraged to migrate to the next-generation platform. We recommend transitioning to the new hardware platform and purchasing a new 3-year subscription aligned with that hardware.

**Will there be a change in SKU or pricing?**

There is no change to subscription SKUs or pricing. However, the underlying hardware SKU is being updated as part of the transition from AP21-48 to AP25-48.

**Will AP21-48 be discontinued?**

Yes. AP21-48 will be phased out post-FCS of AP25-48.

Standard lifecycle applies:  
- EoL (End-of-Sale) Announcement:   
- EoS (End-of-Sale):   
- EoST (End-of-Support): ~5 years post EoS.

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| Feature | AP21-48 | AP25-48 |
| RF Chipset | Qualcomm QC10056 | Qualcomm QC10056 |
| Processor | NXP2160 | NXP2160 |
| Memory | 16GB | 16GB |
| Max Transmit Power | 37 dBm per port | 37 dBm per port |
| Antennas | External, 2x N-Type | External, 2x N-Type |
| Bandwidth | 20/40 MHz | 20/40 MHz |
| GPS Support | GPS | Carrier-grade GPS |
| Operating Temperature | -30°C to 55°C | -40°C to 55°C |
| MTBF | >150K hours | 390K hours |
| IP Rating | IP66 | IP66 |
| Network Interfaces | 1x SFP+, 1x RJ-45 (1GE) | 1x SFP+, 1x RJ-45 (1/2.5GE) |
| Certifications | UL C1D2, FCC, RoHS | UL C1D2, FCC, RoHS |
| Dimensions (mm) | 333 x 240 x 109 | 321 x 231 x 135 |
| Weight | 8.5 kg | 7.2 kg |

For FAQs on this announcement  -> docs.celona link