auria *wireless*

APCO P25
Fully Integrated Base Station

Conventional, Simulcast, Voting and Trunking
Best-in-class performance, power consumption and longevity

- ➡ APCO P25 & Analogue
- ➡ Conventional
- ➡ Voting
- ➡ Simulcast
- ➡ Trunking
- ➡ Fully-integrated
- ➡ Software Upgradeable
- ➡ Remotely Manageable
- ➡ SNMP Remote Monitoring
- ➡ High-Availability Options
- ➡ Australian Made & Supported

- ➡ 136 to 520 MHz LMR Bands
- ➡ Single & Multi-Site
- ➡ Crypto & KMF Support
- ➡ DFSI v1,v2 & IP Support
- ➡ 50W / 100W - 100% Duty Cycle
- ➡ 12.5kHz & 25kHz Channels
- ➡ 2RU / <9Kg
- ➡ Industrial Grade
- ➡ -30C to +60C
- ➡ MIL STD 610E
- ➡ ASNZ4295 / ASNZ4768

Next Generation Technology **for Next Generation Communications**

Specifications	XBR 50W + P25CC	XBR 50W Fully Integrated
Frequency Range	30 - 960 MHz	30 - 960 MHz
Channel Spacing	12.5 / 20 / 25 kHz	12.5 / 20 / 25 kHz
Dimensions	2RU Tx / Rx + 1RU P25CC	2RU Tx / Rx Fully Integrated
Weight	<9Kg + 1Kg P25CC	<9Kg
Operational Temperature	-30 to +60 °C	-30 to +60 °C
Frequency Stability	± 1.5 ppm	± 1.5 ppm
Power Consumption Stby / Tx	900 mA / 9.4A (50W)	900 mA / 9.4A (50W)
Transmitter		
Transmit Power (Optional 100W)	1W to 50W	1W to 50W
Spurious Radiation	-100 dB	-100 dB
Receiver		
Sensitivity / (<5% BER) (12dB SINAD)	-119 dBm / -117 dBm	-119 dBm / -117 dBm
Spurious Response	>90 dB	>90 dB
Adjacent Channel Rejection	>75 dB	>75 dB

Software Upgradeable

- **Remotely manageable**
- **Remotely configurable**
- **S/W licence key upgradeable**
- **Backwards compatible with existing Auria Wireless LMR systems**
- **Forwards-compatible with P25 Phase-II base-station infrastructure**
- **Enabling simple and cost-effective migration from analogue to digital**
- **High-Availability support**
- **Tested to CAP certification standards**
- **A/NZ 24/7 support**

P25 Integrated Transceiver

The Auria Wireless P25 base-station is designed from the ground-up to fully support P25 in a completely integrated 2RU enclosure.

The Auria Wireless P25 base-station provides all the same functionality customers of the popular P25 Channel Controller product have come to expect, but now available in a fully integrated package. No external Channel Controllers are required, and no external P25 Site Controllers are needed, saving considerable space (and expense) at site, simplifying powering / cooling requirements and pre-deployment configuration, making spares holding simpler and enabling rapid deployment.

Plug and Play

For existing clients of Auria Wireless P25 infrastructure, the new fully integrated P25 base-station is completely backwards compatible, allowing existing systems and new base-stations to operate together seamlessly.

Clients can mix and match products as they wish, and when used with the P25 Channel Controller will still enable clients to bring their legacy analogue base-stations in to the P25 digital realm, ensuring that existing equipment continues to provide value and providing clients the most affordable route possible in the industry from analogue to digital networks.

All LMR Bands

The Auria Wireless XBR Series of P25 base stations are available in a variety of RF bands, including all commercial bands in ANZ with accompanying type approvals.

A comprehensive feature licensing scheme in provided to enable users to purchase only those functions that are needed in their systems.

Pay As You Grow

As user and system requirements evolve over time, the Auria Wireless base stations can be simply and remotely upgraded to enable the required functionality, ensuring that affordability is at the heart of radio communications systems provided by Auria Wireless.

Working with Auria Wireless

Auria Wireless have over 15 years of experience in specifying, supplying and supporting best-in-class products to meeting our clients' communications needs. We will support you throughout the whole acquisition cycle, and after.

Our product deployments span single-site / single-base-station systems, all the way up to multi-channel trunked systems across hundreds of physical locations.

No matter what your systems needs are, Auria Wireless can help supply a system that you can have confidence in.

Working With Auria Wireless

Auria Wireless engineers specialise in design, specification, delivery and support of best-in-class radio communications systems to our clients in Australia, New Zealand and SE Asia.

With over fifteen years of experience and a diverse client base, Auria Wireless combines radio communications expertise with the capability to provide independent advice across land / professional mobile radio, cellular and satellite communications.

We work closely with our customers to achieve technical excellence, successful delivery at fixed price, ongoing support and solutions that can be trusted.

Other Products

- Full end-to-end P25 core network components
- P25 Phase-II Infrastructure
- DMR, dPMR, TETRA Infrastructure
- Rapidly deployable cellular & satellite infrastructure
- Comprehensive encryption solutions
- P25, DMR, TETRA, Protocol Stacks

Accredited Professional
ARCIA
AUSTRALIAN RADIO COMMUNICATIONS
INDUSTRY ASSOCIATION