P25
SOLUTIONS

Tait Communications P25 Solutions.

Tait Communications has a proven track record of delivering P25 solutions that meet the needs of public safety customers.

Your TaitNet P25 conventional, multicast, trunked, simulcast or simulcast with trunking network will benefit from a single point of accountability and world class installation, training and technical support. From reliable P25 portables and mobiles to routers, networking equipment and base stations/repeaters, the Tait P25 solution is the total package for first responders.

Whether you need configuration flexibility, a wide choice of accessories or tailored infrastructure solutions, Tait aims to be your preferred P25 partner for your entire digital system. The heart of a Tait P25 solution is made up of the TP9100 and TM9100 range of P25 portables and mobiles plus the TB9100 base station/repeater.

Interoperable and versatile
The TB9100 P25 base station/repeater is an advanced, software-flexible, modular fixed station, maintaining outstanding RF performance in demanding environments.

'Tait Tough' radios
Exceeding MIL-STD-810F, Tait radios also share a common interface, reducing the need for training. 'Tait Tough' portables can take the worst of knocks while intelligent power management delivers superb performance.

Configuration and diagnostics
Commercial off-the-shelf equipment is used within a Tait P25 system enabling total control and maximum leverage. Built-in test equipment provides self-monitoring with local and remote logging and alarms. The Tait Key Fill Device (KFD) enables agencies' encryption specialists and radio technicians to manage their workflow; making the process of encrypting digital radios as efficient and error-free as possible.

Secure communications
TaitNet P25 supports end-to-end secure voice communications using P25 standard DES and AES encryption. OTAR brings efficient reprogramming of encryption keys.

Customizable and flexible
The Tait P25 solution can be configured to suit your needs. Hardware options such as the hand-held control head for the TM9100 are complemented by a raft of software-enabled features and the ability to develop custom solutions of your own with the Application Programming Interface.

Integrated voting and VoIP networking
Network your TB9100s across a packet-switched infrastructure using proven IP communications techniques. This technology allows Tait to use standard telecoms equipment such as Cisco® routers and hubs, combining TB9100 base stations to form an integrated P25 system.

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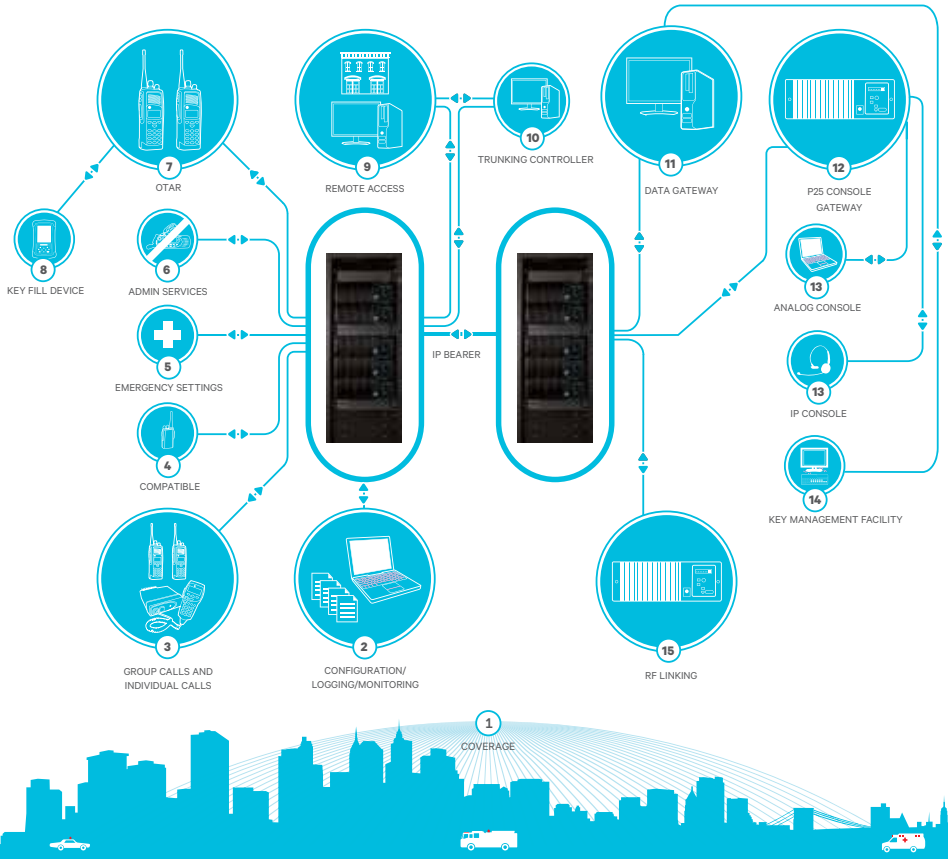
TAITNET P25 SYSTEMS: Interoperable and versatile



1 COVERAGE over diverse terrain and interoperable between first responders.

2 CONFIGURATION, logging and monitoring are remotely managed.

3 GROUP and individual calls for reliable communication.

4 COMPATIBILITY with other manufacturers' radios and seamless per-call analog switching improves interoperability.

5 EMERGENCY SETTINGS and configurable options such as Lone Worker and Man Down improve safety.

6 ADMIN SERVICES allows radio inhibit/ uninhibit, call alert and other features.

7 ENCRYPTION keys can be efficiently reprogrammed over the air (via OTAR).

8 KEY FILL DEVICE rugged, easy to use.

9 REMOTE ACCESS and network monitoring.

10 TRUNKING CONTROLLER manages the network in a trunked configuration.

11 DATA GATEWAY provides data interface between the network and dispatch applications.

12 P25 CONSOLE GATEWAY provides interface between the network and analog and digital consoles.

13 CONSOLES connect using analog line or TIA standard DFSI.

14 KEY MANAGEMENT FACILITY enables Over-the-air Rekeying (OTAR) and management of DES and AES keys.

15 RF LINKING uses an ordinary RF voice channel to add a remote TB9100 base station to a channel group.

MORE INFORMATION: For news, product specifications, comprehensive technical information and contact details of your nearest Tait service facility, please visit www.taitradio.com
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