



Tait PTTtoX

ROAM NETWORKS, AUTOMATICALLY

Enable your teams to communicate with familiar PTT functionality over broadband or LMR (DMR, P25 or analog), with a range of supported devices. Break down communications boundaries to enable a safer, more productive workforce.

taït
communications

Tait PTTToX

BENEFITS



Compact, ruggedized, wearable broadband communications device for heads up operation.



Intelligent vehicle network and edge computing platform in a familiar radio form factor.



Broadband smart devices can bridge the gap between networks, devices and user locations.

ta^{it} AXIOM

BROADBAND SOLUTIONS

TAIT AXIOM provides a portfolio of software applications and devices to suit a range of different teams and the way they work.

Whichever devices or networks best suit your team, TAIT AXIOM can bring anyone into the conversation to collaborate for a safer, more productive workforce.

CHOICE OF DEVICES

Tait PTTToX can be used on Android and iOS smart devices, TAIT AXIOM Wearables and TAIT AXIOM Mobiles.

BROADBAND ONLY OPERATION

Easily connect to Wi-Fi or LTE, using easily accessible nationwide cellular networks for your team communications.

CONNECT TO LMR USERS

Broadband-only devices can connect to DMR Tier 3 via Network Gateway and DMR Tier 2, DMR Tier 3, P25 Conventional, P25 Trunked, Analogue Conventional via TMX450 Bridge.

MULTIBEARER DEVICES

TAIT AXIOM devices can be enabled to send and receive calls and data on multiple bearers (broadband and DMR networks), and automatically switch between networks.

EXTEND YOUR COVERAGE

Work beyond the edge of radio coverage, in challenging areas like building interiors, car parks or tunnels, automatically switching communications to an available broadband network.

ADD CAPACITY EASILY

Broadband networks and devices can be used to easily increase your communications capacity without needing to invest in additional radio infrastructure. This can be a major advantage for temporary or seasonal events, or as your organization grows over time but there is a lack of physical space, spectrum or budget to increase radio network capacity.

EASY TO USE WITH MINIMAL TRAINING REQUIRED

Tait PTTToX operates the way radios do - users can easily make calls at the push of a button without having to choose between radio or broadband bearers. The application operates consistently whichever bearer or devices are used. Minimal training required for users to get started.

FIT FOR PURPOSE DEVICES

The form factors of TAIT AXIOM broadband devices are time-tested and proven to be rugged and easy-to-use for professional field communications. Choose from a range of vehicle based and wearable communications devices.

FUTURE PROOF YOUR COMMUNICATIONS

Extend and enhance your radio communications investment by adding broadband capability to your network and devices.

Tait PTTToX

FEATURES



TAIT AXIOM Wearable is a compact, ruggedized, device for heads up communication.



TAIT AXIOM Mobile provides a choice of vehicle installation and user interface options.



Tait PTTToX application available for Android and iOS smart devices.

FOR TEAMS OF ANY SIZE OR LOCATION

Tait PTTToX offers cost-effective, professional grade communications for teams of any size:

- Factories can centralize communications and reach team members with ease
- Electricity suppliers can take advantage of secure and managed communications over LMR using familiar devices
- Transportation companies can improve safety and operational efficiency with more effective communications
- City-based cycle couriers can combine with Bluetooth® accessories, messaging apps, and PC based apps, to stay in touch while on the move
- Rural fire teams can integrate radio channels into team communication

SECURE VOICE CALLS AND TEXT MESSAGES

- AES-256 Voice & Data Encryption
- Key Based Authentication and Authorization
- Instant group and individual calls - fast call setup time, high voice quality
- Easily select Contacts and Groups
- In-Call Preemption and Priority based call override
- Wireless Carrier Independent and Cross Carrier Capable, 3G/4G LTE and Wi-Fi
- NAT based service avoiding the requirement for VPN Tunnels
- Professional-grade product, service and support

WIRELESS PROGRAMMING AND DEVICE MANAGEMENT

- Web based administrator tools provide a secure place to provision, configure and update devices, manage user licensing and enable features
- Devices are updated wirelessly, saving time and money and keeping your fleet moving without the need for manual programming

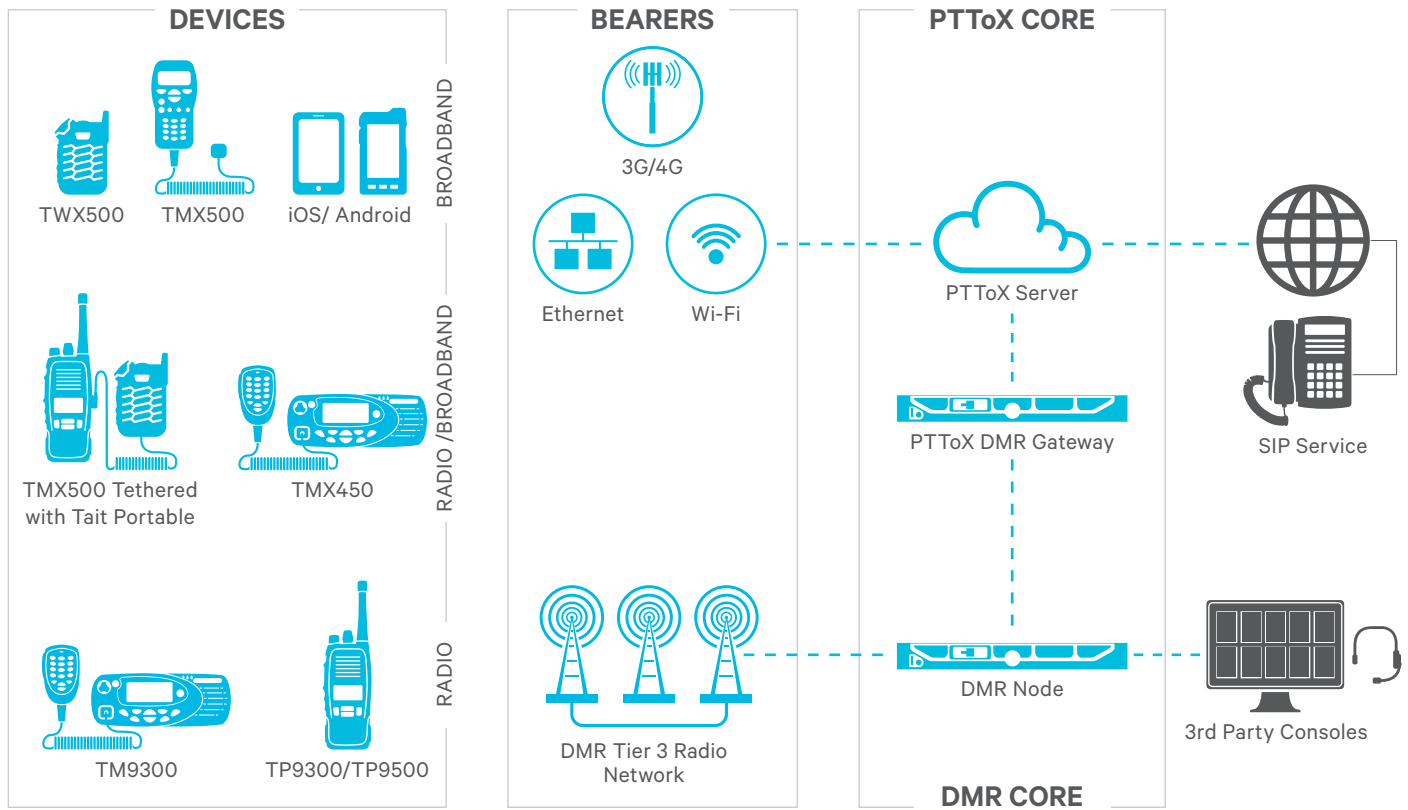
NATURAL LMR INTEGRATION

Increase the geographical range of communication quickly and affordably, by connecting DMR Tier 3 radio networks to broadband services:

- Single Network User ID
- Radio based numbering schemes
- Cross Network Radio Interoperational Features
- Location Services integrated with DMR
- Use existing DMR Consoles to support PTTToX when integrated with DMR



Tait PTTToX



DMR TIER 3 INTEGRATION OPTIONS:

- As shown in the diagram above, Tait PTTToX supports connection between TN9300 DMR Tier 3 (trunked) networks and broadband networks, providing full featured integration including location, status, text messaging and emergency call support.
- When Tait PTTToX is connected to a DMR Tier 3 (trunked) network, any DMR device is able to contact a Tait PTTToX device.

OTHER LMR INTEGRATION OPTIONS

- DMR Tier 2, DMR Tier 3, P25 Conventional, P25 Trunked, Analogue Conventional via TMX450 Bridge.
- Audio group calls and emergency calls can be connected to DMR and P25 networks.

TAIT PTTTOX CAPACITY:

- 1500 Groups a mix of:
 - Broadcast Groups
 - Emergency Groups
 - Ambient listening
- A group can support 1500 members
- Total number of registered users: 3000
- Simultaneous Calls: 40 (PTTToX with or without DMR Tier 3)

DATA SERVICES DISCLAIMER:

Tait PTTToX uses enterprise-grade data services provided by commercial cellular and Wi-Fi infrastructure, consequently end to end call performance can be dependent on the quality of the data services provided.

Android is a registered trademark of Google Inc. Apple, the Apple logo, iPhone, and Mac OS are trademarks of Apple Inc., Registered in the U.S. and other countries. This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (<http://www.openssl.org/>)

Tait has taken every care in compiling this brochure, but we're always innovating and therefore changes to our models, designs, technical specifications, visuals and other information included in this brochure could occur. For the most up-to-date information and for a copy of our terms and conditions please visit our website www.taitcommunications.com

The words "Tait", "TAIT AXIOM", and the "Tait" logo are trademarks of Tait International Limited.

Copyright © 2022 Tait International Limited Tait_DS_Tait PTTToX_v1.3 2025-06-04