

Tait P25 Infrastructure Catalog

Version 1.0 2 July 2026



- ▶ **TN9400 Core Network**
- ▶ **TN9275 Gateway**
- ▶ **Base Stations (TB7300, TB9400)**
- ▶ **Tait Services**
- ▶ **Accessories and Spares**

Product Catalog

PREFACE

Please read before using this product catalog.

Copyright:

All information in this document is the property of Tait International Limited. All rights reserved. This document may not, in whole or in part, be copied, photocopied, reproduced, translated, stored or reduced to any electronic medium or machine-readable form without the prior written permission of Tait International Limited.

Scope:

This product catalog outlines the Tait product range.

Custom products and non-standard equipment are not listed. Please contact your Tait representative if you require information on any product not listed within this book.

Product Status:

Every care has been taken to ensure that the products meet the respective regulatory requirements. However, Tait does not warrant that all products meet specific country requirements.

If you have any questions regarding product suitability, please contact your Tait representative.

Terms and Conditions of Sale:

All sales and quotations for Tait products and services are subject to the current version of the Tait Standard Terms and Conditions for Supply. For a copy of the Terms and Conditions please contact your Tait representative

Confidentiality:

This product catalog contains information which is confidential and is solely for the use of the intended recipient. If you are not the intended recipient, be aware that any review, disclosure, copying, distribution, or use of the contents of this catalog is strictly prohibited. If you have received this in error, please destroy it and notify us immediately at notices@taitcommunications.com

Trademarks:

The words "Tait", "TAIT AXIOM", "TeamPTT" and the "Tait" logo are trademarks of Tait International Limited. Access to the Tait Websites does not confer on you any license in respect of any of Tait intellectual property.

Update and Changes:

The information within the product catalog is subject to change without notice and shall not form part of any contract. This information is issued for guidance purposes only. Please note that not all frequency bands and power outputs are available in all markets.

Compliance:

Not all products have compliance in all regions/countries. Please check the Tait Product Specification sheet or contact your Tait Representative for further information.

NOTE:

Please, refer to [One Tait Dealer Program](#) (OTDP) "Configuration and Estimate" tool to select the right modules, firmware and licenses.

CONTENTS

1. Tait P25 Solutions
2. Tait TN9400 Core Network
 - Network Overview
 - Network Elements
 - Network Dimensions
 - Network Hardware and Licenses
3. Tait Base Stations
 - TB7300
 - TB9400
4. Tait Services
5. Accessories and Spares

Tait P25 Solutions

Tait P25 Infrastructure Solutions deliver reliable, standards-based communications that mission-critical organizations depend on. Built on open P25 standards, Tait systems give agencies the freedom to design, expand, and evolve their networks without vendor lock-in. From single-site conventional deployments to statewide trunked systems, Tait offers a complete portfolio of core network controllers, base stations, and simulcast solutions that keep teams connected when it matters most.

Engineered for high availability and resilience, Tait P25 infrastructure supports both Phase 1 and Phase 2 operation, providing efficient spectrum use and long-term investment protection. With robust encryption, seamless interoperability, and remote monitoring capabilities, agencies can enhance safety, streamline operations, and maintain confidence in every transmission.

This catalog highlights the full range of Tait P25 offerings, giving you everything needed to design a dependable, flexible, and future-ready communication network.

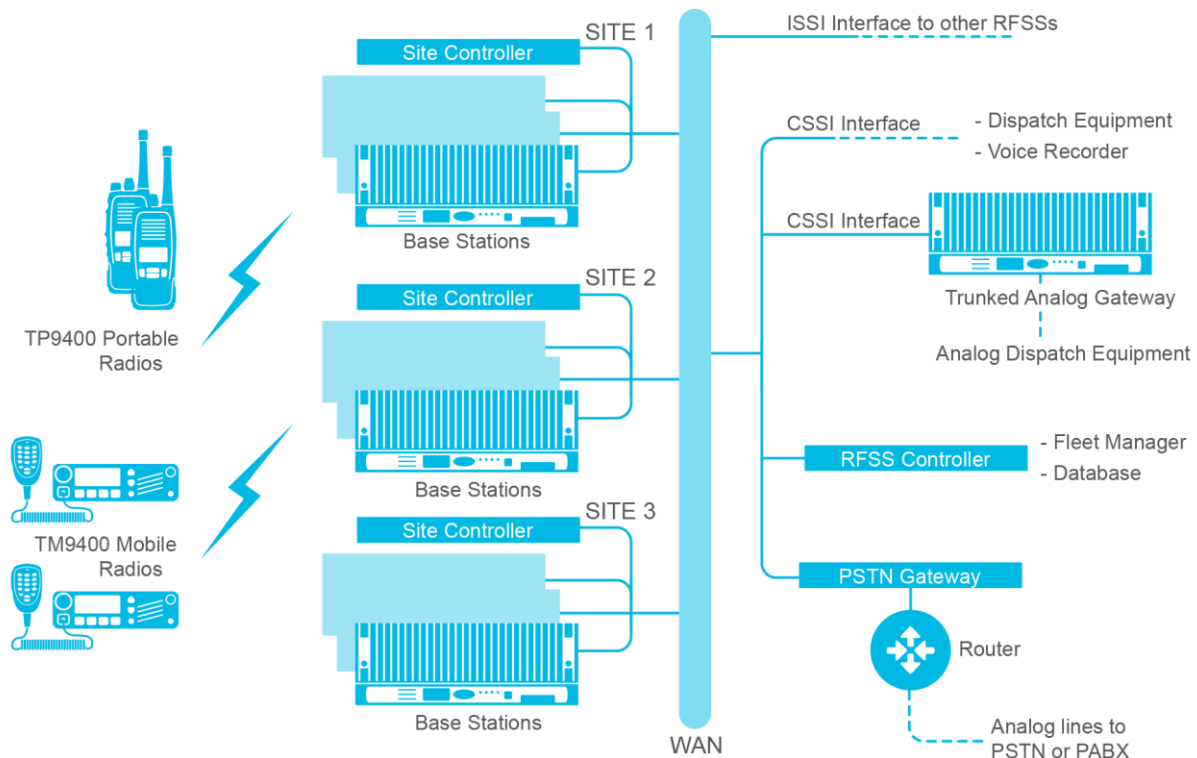
Tait P25 Networks are comprised of four main elements:

- ▶ TN9400 Core network
- ▶ TN9275 Gateway
- ▶ TB7300 Base Station / Repeater
- ▶ TB9400 Base station / Repeater

TN9400 P25 Systems

Network Overview

P25 Phase1 or Phase 2 Overview



Example Diagram: P25 system with 3 sites

A TN9400 network is composed of one or multiple RF sub-systems (RFSS) connected using intra-network ISSI. Each RFSS can have one or multiple RF sites. Networks are identified by a WACN ID and a SYS ID which allows multiple P25 networks to be connected using an inter-network ISSI. A console can be connected to an RFSS within a P25 network (typical) or to any RFSS within multiple networks using a single CSSI connection for each RFSS.

TN9400 P25 Systems

P25 Phase1/Phase2 Operation

Tait P25 Systems are available in either mode of operation: P25 Phase1 or P25 Phase 2. Phase 2 introduces TDMA, in addition to Phase1 FDMA, therefore when purchasing a Phase 2 system, all Phase1 and Phase 2 enable licenses are required.

P25 Conventional

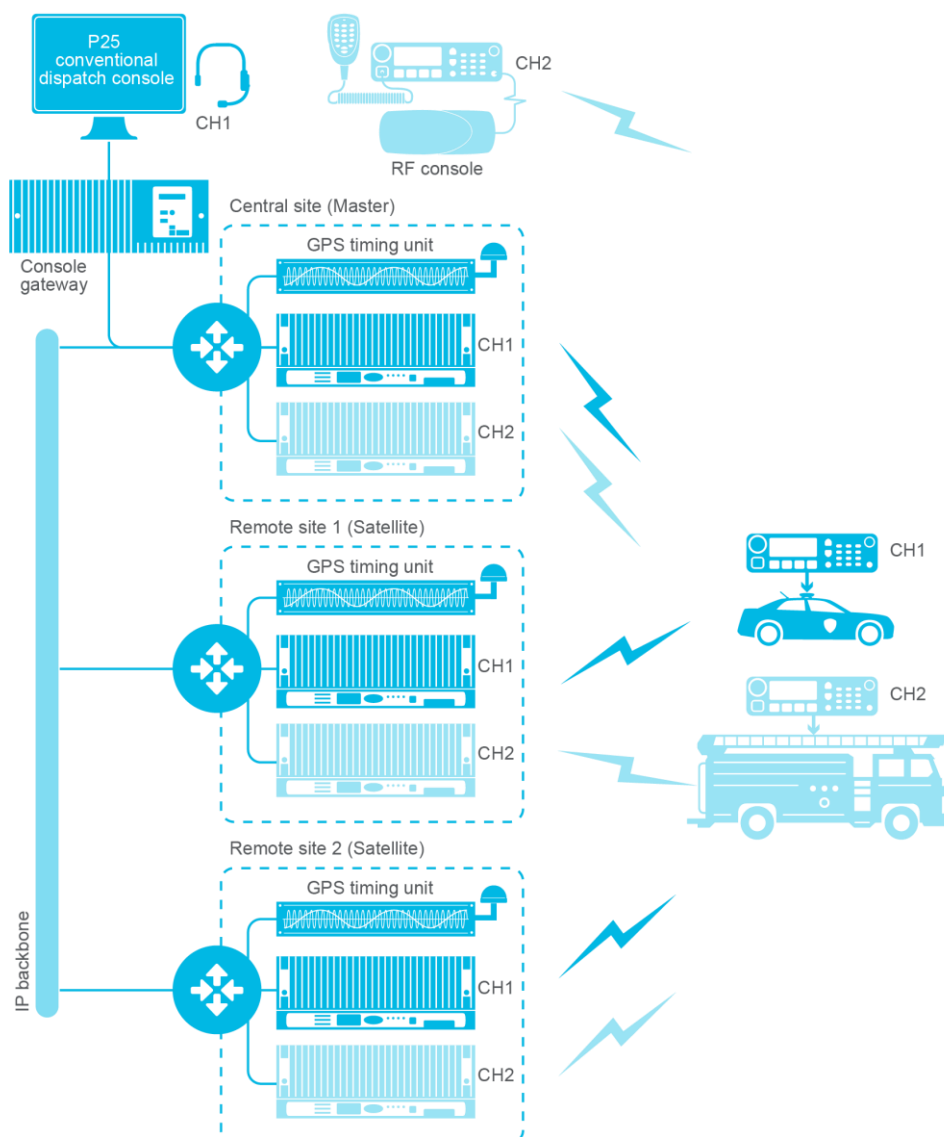


Figure 1: P25 conventional network with three sites, two channels, a TN9110 console gateway and an RF console

TN9400 P25 Systems

Enhanced simulcast coverage with Linear Simulcast Mode

(LSM) Simulcast trunking combines the benefits of maximum simulcast coverage with the frequency efficiency of trunking – a double win. An additional choice is to transmit in LSM, which significantly increases the geographic spacing efficiency between simulcast sites resulting in a smaller number of sites. When purchasing a Simulcast system, Phase1 LSM is highly recommended as Phase1 C4FM Simulcast is not as efficient.

Note: LSM requires use of the TB9400

Redundancy

- ▶ Continuity of operation is paramount, and a Tait P25 trunking system is designed to operate through many possible outage scenarios. High Availability ensures that your fleet registration information is constantly maintained in a reserve Radio Frequency Subsystem (RFSS) server for use if the primary server should ever fail. A “hot standby” ensures a rapid and near seamless change over.
- ▶ Additional redundancy occurs because of sites being able to operate in an “isolated site” trunking mode, should the network connection to a site become disconnected. Scalable networks A TaitNet P25 trunking system may be scaled up or down depending on your coverage needs – for many sites or few sites, high or low site capacity, simulcast trunking or not.

Standardized Interconnections

Tait support for open standards enables choice and flexibility for our customers. This is demonstrated with support for consoles via the standardized Console Subsystem Interface (CSSI) and the Digital Fixed Station Interface (DFSI).

TN9400 P25 Systems

Tait P25 Trunked Access and Express6 Solutions

Overview of Tait P25 Access

The P25 Trunked Access TN9400 Solution corresponds to a Tait P25 Trunked Single Logical Site system, with both RFSS and Site Controller applications co-located in a single server. This solution is designed for high availability, ensuring reliable redundancy for critical communications. In simulcast, the P25 Access system can be composed of one logical site composed of multiple physical sites, thus creating a wide area channel group. A specific P25 Access software operating license is enabling the P25 Access solution (TNAS521).

Overview of Tait P25 Express6

The P25 Trunked Express6 TN9400 Solution corresponds to a Tait P25 Trunked system with a maximum of 6 logical functional sites. It is based on the previous Tait P25 Access architecture, for the main site, with the RFSS and Site Controller co-located on the same server. Tait P25 Express6 system can be partially or fully simulcast with a mix of logical functional sites composed of multiple physical sites. Two specific P25 Express6 software operating licenses enabling the P25 Express6 solution (TNAS524 for the RFSS and TNAS525 for all the Site Controllers).

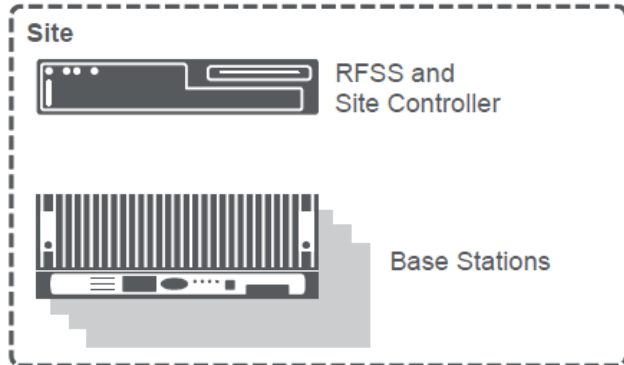
Main benefits and scalability of these solutions

- ▶ The P25 Access and Express6 software is common with the full standard P25 mainstream software. Therefore, any migration to P25 full standard is a pure software and license upgrade.
- ▶ It also means that all P25 Trunking features are applicable to these system types, within the limitations mentioned above.
- ▶ Tait P25 Access and Express6 solutions are both capable of operating in P25 Trunked Phase1 and Phase2 and LSM simulcast.
- ▶ They are designed as smart, simple, and cost-effective steps into P25 Full Trunking
- ▶ They are made easy to install, maintain, and operate with a guaranteed future path to greater larger systems.

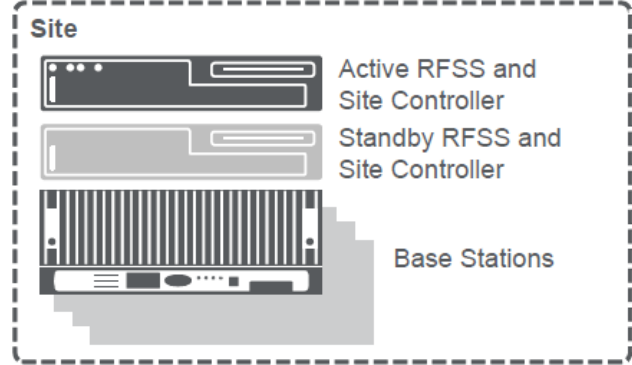
NOTE: Not all products have compliance in all regions/countries. Please contact your Tait Representative for further information.

TN9400 P25 Systems

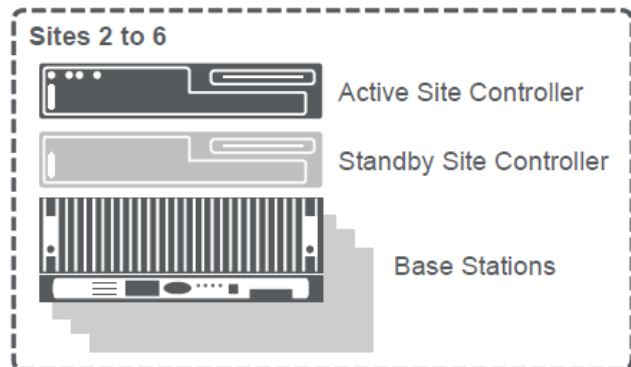
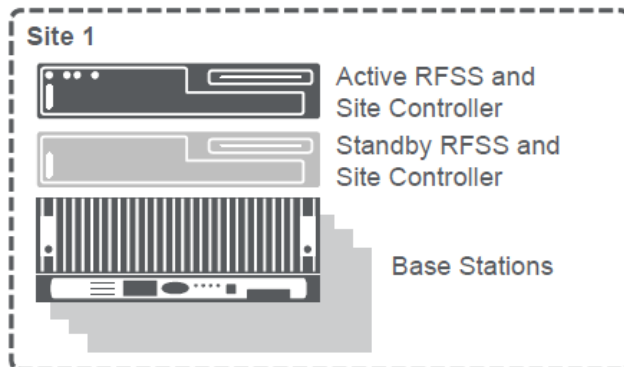
TN9400 Access Network Non-HA*



TN9400 Access Network HA



TN9400 Express6 Network



TN9400 Full Network

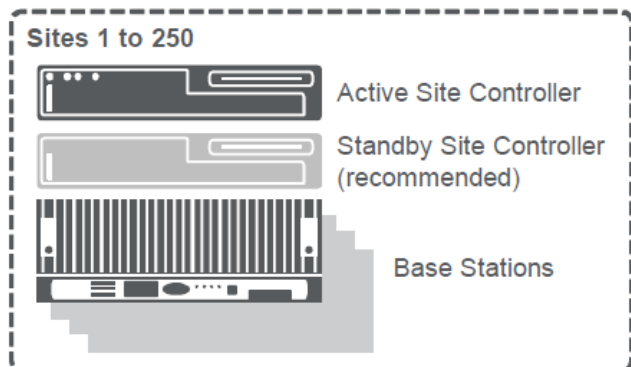


Illustration of how the networks differ in how the core software elements are deployed.

TN9400 Core Network

Network Equipment & Licenses

Note: For more configuration options, please refer to the OTDP TN9400 Base Station configuration table.

ITEM CODE	DESCRIPTION
P25 Access System	
TN9400-1101-0000-0000-10	P25 RFSS+SC - Controller Mid-Level 110-230VAC
TN9400-4001-0000-0000-10	P25 PSTN - Controller High Level 110-230VAC
TN9400-4002-0000-0000-10	P25 PSTN - Controller High Level 48VDC
P25 Express6 System	
TN9400-1101-0000-0000-10	P25 RFSS+SC - Controller Mid-Level 110-230VAC
TN9400-0100-0000-0000-10	P25 RFSS+SC - Controller High Level 110-230VAC
TN9400-3101-0000-0000-10	P25 SC - Controller Mid-Level 110-230VAC
TN9400-4001-0000-0000-10	P25 PSTN - Controller High Level 110-230VAC
TN9400-4002-0000-0000-10	P25 PSTN - Controller High Level 48VDC
TN9400-1101-0000-0000-10	P25 RFSS+SC - Controller Mid-Level 110-230VAC
TN9400-0100-0000-0000-10	P25 RFSS+SC - Controller High Level 110-230VAC
TN9400-3101-0000-0000-10	P25 SC - Controller Mid-Level 110-230VAC
P25 Full System	
TN9400-2001-0000-0000-10	P25 RFSS - Controller High Level 110-230VAC
TN9400-2002-0000-0000-10	P25 RFSS - Controller High Level 48VDC
TN9400-3001-0000-0000-10	P25 SC - Controller High Level 110-230VAC
TN9400-3002-0000-0000-10	P25 SC - Controller High Level 48VDC
TN9400-4001-0000-0000-10	P25 PSTN - Controller High Level 110-230VAC
TN9400-4002-0000-0000-10	P25 PSTN - Controller High Level 48VDC
Software Licenses	
TNAS500	License TaitNet P25 - RFSS Controller
TNAS501	License TaitNet P25 - RFSS Controller High Availability
TNAS502	License TaitNet P25 - Enable IP + OTAP
TNAS505	License TaitNet P25 - CSSI Console System
TNAS506	License TaitNet P25 - CSSI Voice Recorder
TNAS507	License TaitNet P25 - ISSI Intra System
TNAS508	License TaitNet P25 - ISSI Inter System
TNAS509	License TaitNet P25 - Trunked Analog Gateway
TNAS510	License TaitNet P25 - Site Controller Phase 1
TNAS512	License TaitNet P25 - Site Controller High Availability
TNAS513	License P25 Trunked Site Phase2
TNAS515	License TaitNet P25 - Trunked PSTN Gateway Service
TNAS516	License TaitNet P25 - System Transceiver Resource
TNAS521	License TaitNet P25 - Access RFSS Site Controller and High Availability
TNAS524	License Trunk P25 RFSS/SC - Express6 RFSS Site Controller & High Availability
TNAS525	License Trunk P25 SC - Express6 Site Controller & High Availability

TN9400 Core Network

TN9400 RFSS and Site Controller

The TN9400 is available in 3 tiers with the following license:

FULL	EXPRESS6	ACCESS
TNAS500	TNAS524	TNAS521
TNAS501	TNAS525	
TNAS510		
TNAS512		

Licenses

LICENSE	DESCRIPTION	MEANING	RULE
TNAS500	License TaitNet P25-RFSS Controller	License required for each full licensed RFSS	1 per RFSS
TNAS501	License TaitNet P25-RFSS Controller High Availability	License to support redundancy of the RFSS Manager	
TNAS502	License TaitNet P25-Enable IP	License to enable IP data (for applications like OTAP, OTAR and maybe location) to pass across a TN9400 network	1 per RFSS
TNAS505	License TaitNet P25-CSSI Console System	License to connect to a console	Up to 8 consoles per RFSS (This can be consoles, all TAGs or a mixture of both - TNAS509). Each console can have as many seats as it wants. Currently need TNAS507 present.
TNAS506	License TaitNet P25-RFSS Voice Recorder	License to connect to a voice recorder	1 per voice recorder subsystem; up to 2 talk paths each. Up to 2 voice recorders per RFSS.
TNAS507	License TaitNet P25-RFSS/VRISSE Intra System	License to connect to another Tait RFSS with same WACN and System ID or voice recorder	1 to enable all ISSI connectivity.
TNAS508	License TaitNet P25-Trunked RFSS-ISSI Inter System	License to connect to another RFSS with a different WACN or System ID	1 for each RFSS connection. It is expected that these licenses are to be used for TN9400 for other vendor connections.
TNAS509	License TaitNet P25-Trunked Analog Gateway	License to connect the Tait TAG. P25 Phase 1 only.	1 per TAG; up to 8 TAGs per system (This can be all consoles, all TAGs or a mixture of both – TNAS505
TNAS510	License TaitNet P25-Site Controller Phase 1	License to support P25 Phase 1 on the site controller. Full License.	1 per site or both HA and non-HA configurations

TN9400 Core Network

TNAS512	License TaitNet P25-Site Controller High Availability	License to support redundancy of the site	1 per site
TNAS513	License TaitNet P25-Site Controller Phase 2 Support	License to support P25 Phase 2 on site controller. Requires the P25 Phase 1 license first (TNAS510 or TNAS521 or TNAS524 or TNAS525). Optional.	1 per site on both HA and non-HA configurations
TNAS515	License TaitNet P25-Trunked PTSN Gateway Service	License to support PSTN	1 per RFSS
TNAS516	License TaitNet P25-System Transceiver Resource	License for each physical Base Station or RF channel (0-100). In simulcast, this also includes all satellite base stations.	1 per reciter; applies to The Americas, Africa, Europe and Middle East.
TNAS521	License TaitNet P25-P25 Access Phase 1 & HA	License for single redundant site system with the active RFSS controller and the site controller on the same server. The standby controllers (1 RFSS and 1 site) also share a server. TB9400 base station may have license TBAS070 (preferable) or TBAS072 or TBAS056	1 per RFSS/Site Controller pair (includes HA)
TNAS524	License TaitNet P25-P25 Express6 RFSS and Site Controller Phase 1 and HA	License for small systems (up to 6 sites) with the active RFSS controller and the first site controller on the same server. The standby controllers (1 RFSS and 1 site) also share the same server. TB9400 base station may have license TBAS072 (preferable) or TBAS056.	1 per RFSS/Site Controller pair (includes HA)
TNAS525	License TaitNet P25-P25 Express6 Site Controller Phase 1 and HA	License for each redundant site controller pair connecting to a server with license TNAS524 (RFSS controller and the first site controller on the same server). Up to 5 site controller licenses can be added to the Express6 system. TB9400 base station may have license TBAS072 (preferable) or TBAS058.	TB9400 base station may have license TBAS070 (preferable) or TBAS07

TN9400 Core Network

Tait P25 Conventional Base Stations

Tait has two base stations and two gateways supporting the P25 conventional mode: the TB7300 and the TB9400 base stations, and the TN9275 gateway.

- ▶ For simulcast or multicast voted P25 conventional networks, a channel group can only have all TB7300/TB9400s
- ▶ For simulcast or multicast voted P25 conventional networks, the TB7300 and TB9400 support two types of channel group:
 - ↕ The TB7300/TB9400 channel group with base stations at each physical site
 - ↕ The TN9275* gateway channel group with only one TN9275 gateway as the channel group master and the active central voter of the TB7300/TB9400 channel group as a satellite of the gateway
- ▶ All channel base stations must have the same simulcast setting (enabled or disabled collectively)

TN9275 P25 Analog Gateway

The TN9275 P25 analog gateway provides a subset of P25 conventional operation when compared to the TB9400 base station. It provides all the functions of a TB9400 base station with analog, P25, and dual conventional operation, but it does not have an RF transceiver. Physically, the gateway module is like a reciter, but without the RF to transmit and receive connectors. The gateway and base station share the same firmware. The first firmware release supporting TN9275 operation is 3.45.00.

TN9275 P25 gateways provide:

- Analog conventional mode, P25 conventional mode, dual mode conventional (analog, P25) and P25 trunking mode
- Built-in intelligent voting, used in simulcast
- DFSI connection for digital dispatch console in analog, P25 conventional and dual mode
- Analog line connectivity for analog dispatch console in analog mode only
- Analog line vocoding
- Tone remote keying
- Encryption (DES or AES)
- Remote management from a computer using a web-based application The TN9275 provides digital inputs that can be used for general purposes, such as the monitoring of site access doors. The base station can be set up to generate alarms to an SNMP manager or the base station's web application.

For more information about the TN9275 P25 analog gateway, see the **P25 Conventional System Overview -TD-0037-XX**

*The TN9275 has replaced the TN9110

TN9400 Core Network

The following tables provide a comparison of the conventional system hardware and firmware features between the TB7300, TB9400, and TN9275,

Hardware Comparisons

FEATURE	TB7300	TB9400	TN9275
Modulation	P25 C4FM (simulcast, multicast) Analog FM (simulcast, multicast) Dual mode analog/P25 (simulcast, multicast)	P25 LSM (simulcast, multicast) P25 C4FM (simulcast, multicast) Analog FM (simulcast, multicast) Dual mode analog/P25 (simulcast, multicast)	P25 LSM (simulcast, multicast) P25 C4FM (simulcast, multicast) Analog FM (simulcast, multicast) Dual mode analog/P25 (simulcast, multicast)
Frequency Band	B1=136-174 HH=378-420 H3=470-520 H5=400-470 ² K4=Rx 794-824, Tx 762-870	B1=136-174 HH=378-420 H1=400-440 ¹ H2=440-480 ¹ H3=470-520 H4=380-420 K4=Rx 794-824, Tx 762-870	N/A
Transmit Power	35/40/50* W *Depending on frequency band	2 x 50 W 100W	N/A
Simplex operation/antenna relay	Yes	Yes	N/A
Fill in receivers (per subrack)	N/A	4	N/A
Gateway modules (per subrack)	N/A	N/A	4

¹ The 406 to 406.1 MHz frequency range is reserved for use by Distress Beacons. It is not legal to program transmitters to operate in this frequency range.

² The 406 to 406.1 MHz frequency range is reserved for use by Distress Beacons. It is not legal to program transmitters to operate in this frequency range

TN9400 Core Network

Functional Comparison

FEATURE	TB7300/TB9400	TN9275
Channel Group Size	28 TB7300/9400 Tx/Rx or RX (including TN9275 P25 analog gateways) 26 when using a series 2 group master	
Redundant channel group master	Yes	Yes
Channel group satellite	Yes	No
Operate as satellite in TB9100 channel group	Yes	No
Sub audible signaling	CTCSS/DCS independent uplink/downlink P25 NAC independent uplink/downlink	N/A
Console connection at channel group satellite	No	
Console options (channel group master)	Up to 3 DFSI (redundant, P25 or analog RF (bigger base) Analog E&M	
User programming	TaskBuilder	
Management	Web browser SNMP v2c, v3 Syslog	

TN9400 Core Network

Interface to DFSI Console

The DFSI functionality is licensed.

FEATURE	TB7300/TB9400/TN9275 Dual Mode/P25 Conventional Simulcast
DFSI	3 connections One of the connections is the primary connection and has control for operations such as channel change or change of repeat state. Two of the connections are called secondary and have no control capacity.
Console pre-empt RF	Yes
Encryption	P25 only (not available in analog) Yes, transparent to base station
Base station control (repeat, squelch, channel change)	Yes to repeat and channel change No to squelch
Active connection	To the channel group master/TN9275
Number per channel group	3
Redundancy	Yes, if the backup channel group masters have the DFSI license and are configured for CFSI. In a TB7300, TB9400 and TN9275 channel group, more than one base station can have the DFSI Interface enabled but only the channel group master DFSI interface will operate. In case of a change of channel group master, the new channel group master will start operating its DFSI interface (if licensed). It is recommended that the console subsystem has a list with all the potential DFSI interface and search for the active one. The TN9275 gateway only operates as a channel group master. The channel group can have more than one TN9110 console gateway for redundancy purpose, but only one can be the channel group master.





- ▶ **Base Stations (TB7300, TB9400)**
- ▶ **Accessories and Spares**

TB7300 • Rugged • Flexible • High Performance

Tait introduces a software flexible, rugged Base station/Repeater for P25 or Analog repeaters.

The TB7300 integrates seamlessly with the proven TB9400 series high performance Base Station. A slim, 1U design forms part of an intelligent building block of an end-to-end network solution, which includes Base Station, Terminals and Tait network management software applications.



TB7300 Base Station – VHF 50W, UHF 40W and 700/800MHz 35W

The TB7300 offers you the following features:

- Economically slim 1U design
- Multimode base station, can support DMR Tier 2 and Tier 3, P25 Conventional, P25 Phase 1 Trunking, Analog
- Software flexible migration path between platforms
- Exceptional receiver performance
- IP linked node solution for multi-site network capability
- Remote network management and monitoring
- SNMP Management Capability
- Tait Enable application suite compatible
- Supports Express6
- 13.8VDC or 48VDC Input power typical
- 115-230VAC Input power

Frequency	Tait Band	Range	Power
VHF	B1	136–174MHz	50W
UHF	H5	400–470MHz	40W
	H3	470–520MHz	40W
800MHz	K4	762–870MHz*	35W

*The actual frequency coverage in this band is:

Transmit: 762 MHz to 776 MHz, and 850MHz to 870MHz

Standard Package Includes:

- ▶ Subrack including LED front panel with triple fans
- ▶ Control panel
- ▶ Power Amplifier (PA)
- ▶ Reciter (receiver/exciter) with system interface
- ▶ Installation guide

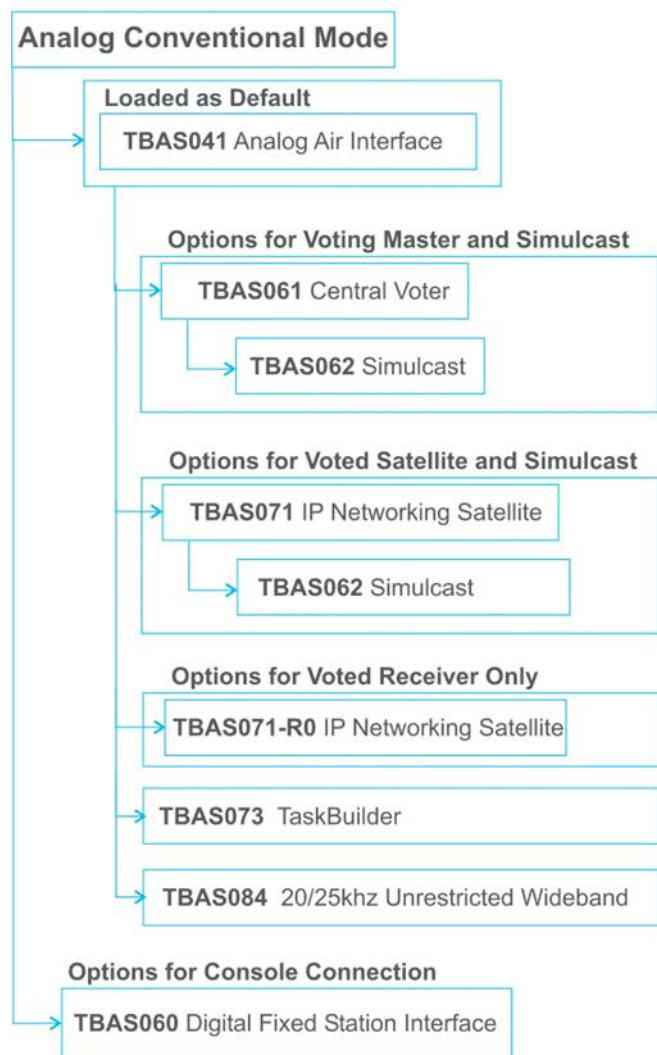
Receive: 792 MHz to 824 MHz

P25 SOFTWARE FEATURE LICENSES	
ITEM CODE	DESCRIPTION
TBAS050	SFE Key - P25 Common Air Interface (CAI) (91/94)
TBAS056	SFE Key - P25 Trunking Operation (91/94)
TBAS060	SFE Key - Digital Fixed Station Interface (91/94)
TBAS061	SFE Key - Central Voter (91/94)
TBAS062	SFE Key - Simulcast Enable Phase I (91/94)
TBAS063	SFE Key - Failsoft for P25 Trunking (91/94)
TBAS065	SFE Key - P25 Linear Simulcast Modulation (LSM) (94)
TBAS066	SFE Key - Trk Phase 2 Operation (94)
TBAS069	SFE Key - Simulcast Enable Phase 2 (94)
TBAS070	SFE Key - P25 Access
TBAS071	SFE Key - IP Networking Satellite
TBAS072	SFE Key - P25 Express6
TBAS073	SFE Key - TaskBuilder
ANALOG SOFTWARE FEATURE LICENSES	
ITEM CODE	DESCRIPTION
TBAS041	SFE Key - Analog Air Interface (94)
TBAS061	SFE Key - Central Voter (91/94)
TBAS062	SFE Key - Simulcast Enable Phase I (91/94)
TBAS071	SFE Key - IP Networking Satellite
TBAS073	SFE Key - TaskBuilder
P25 RX-ONLY SOFTWARE FEATURE LICENSES	
ITEM CODE	DESCRIPTION
TBAS050-R0	SFE Key - P25 Common Air Interface (CAI) RxOnly (91/94)
TBAS056-R0	SFE Key - P25 Trunking Operation RxOnly (91/94)
TBAS060-R0	SFE Key - Digital Fixed Station Interface RxOnly (91)
TBAS061-R0	SFE Key - Central Voter RxOnly (91)
TBAS066-R0	SFE Key - Trk Phase 2 Operation Rx Only (94)
TBAS070-R0	SFE Key - P25 Access Rx Only
TBAS071-R0	SFE Key - IP Networking Satellite Rx Only
TBAS072-R0	SFE Key - P25 Express6 Rx Only
TBAS073	SFE Key - TaskBuilder

Software maintenance and support are available on an annual renewal basis. Software maintenance ensures your software investment remains fully operational, high performing and current through updates that also include valuable new features – please contact your Tait Representative for further details.

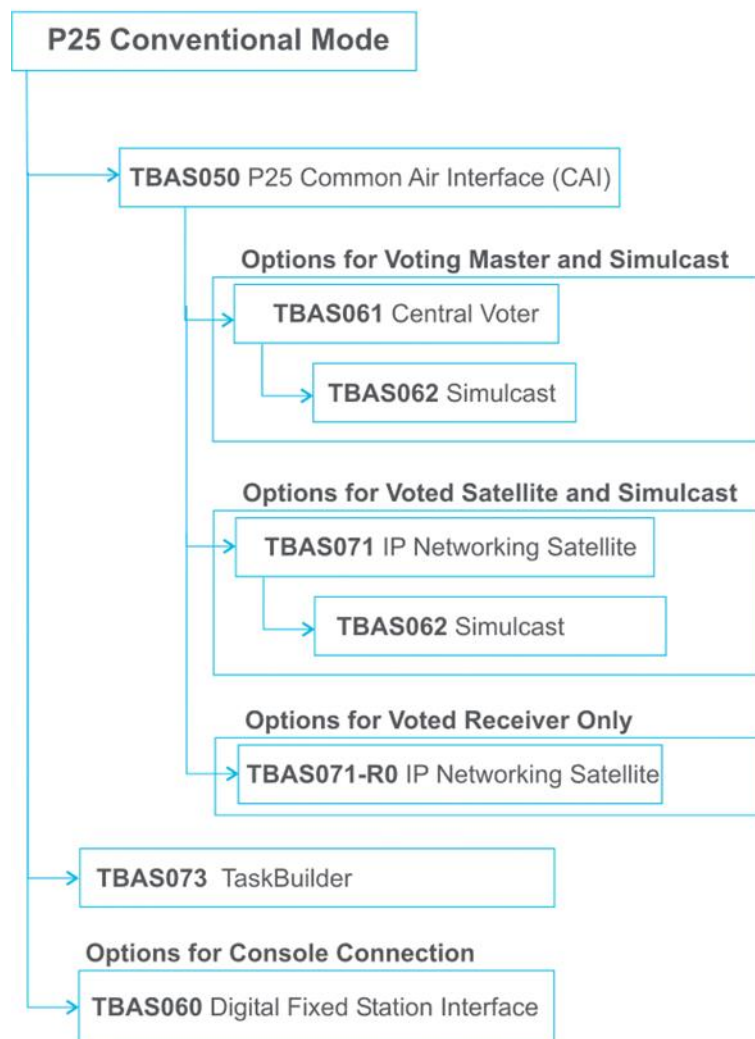
Software Licences - Analog Voting Mode with AS-IP Simulcast Enablers

All software enhancements are enabled on a per feature per reciter basis.



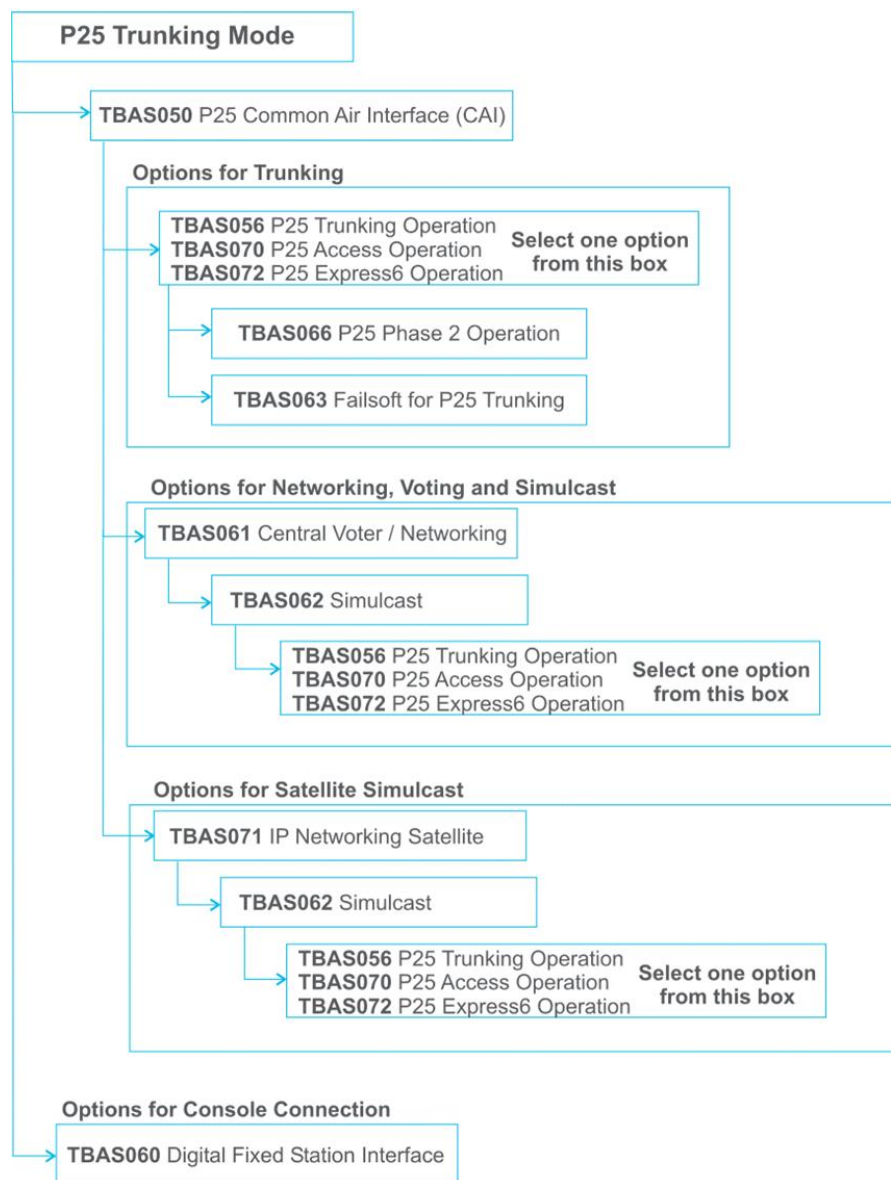
Software Licences - Digital Voting Mode with Simulcast Enablers

All software enhancements are enabled on a per feature per reciter basis.



Software Licences - Digital Mode Trunking, Voting with Simulcast Enablers

All software enhancements are enabled on a per feature per reciter basis.



TB9400 • Intelligent • Flexible • High Performance

The TB9400 base station is the second-generation Multimode base station with IP connectivity from Tait. It supports Analog, DMR and P25 Phase1 and Phase2. The multimode capability makes it possible to migrate between Analog/P25/DMR networks as well as simplifying stockholding. The possible P25 Phase 1 to Phase 2 software migration enables customers to transition to a more spectrally efficient solution with greater capacity while future proofing their investment.

The TB9400 delivers on deployment and operational efficiency with Phase 2 upgradability, Linear Simulcast Modulation (LSM), and remote network management. The TB9400 base station is the main component of the Tait AS-IP (Analog Simulcast over IP) network. It is an ideal platform to migrate to either DMR or P25 in the future from an Analog

The TB9400 offers the following features:

- ▶ P25 Phase1 trunked base station with TDMA hardware and software-upgradability to P25 Phase2 TDMA for increased capacity
- ▶ P25 Phase1 or 2 trunked, and P25 Phase 1 Conventional and Analog simulcast operation
- ▶ P25 standards compliance for greater choice and interoperability
- ▶ P25 Phase1 Conventional and Analog Conventional Simulcast operation
- ▶ IP connectivity allows efficient network design and scaling
- ▶ Linear Simulcast Modulation (LSM) means simulcast networks with fewer sites
- ▶ Extensive remote management and monitoring options with a focus on security
- ▶ MIL-STD designed and tested for reliability to mitigate network outages

Note: Not all products have compliance in all regions/countries. Please check the Tait Product Specification sheet or contact your Tait Representative for further information.

RANGE	TAIT BAND	50W	100W	50W DUAL
136-174MHz	B1	✓	✓	✓
378-420MHz	HH	✓	✓	✓
400-480MHz	HG	✓	✓	✓
470-520MHz	H3	✓	✓	✓
762-870MHz	K4	✓	✓	✓



TB9400 • Intelligent • Flexible • High Performance

P25 Phase 1 and 2

- ▶ The TB9400 is upgradable by software to enable Phase1 and Phase2 operation.

Linear Simulcast Modulation (LSM)

- ▶ The TB9400 supports trunked simulcast and with LSM option. P25 Phase1 LSM is highly recommended for Phase2 Simulcast operations.

Digital Control Design

- ▶ The TB9400 features a state-of-the-art RISC processor and Digital Signal Processor (DSP), providing very fast, reliable processing through the latest in digital technology.

P25 Phase1 Conventional and Analog Simulcast

- ▶ The TB9400 supports P25 Phase1 Conventional Analog Simulcast and is fully re-useable when migrating to P25 Trunked Simulcast Phase1/Phase2

Convenient Modular Design

- ▶ Designed for ease of hook-up and adaptation in the field, the TB9400 is configured with front-loading modules that can be mixed and matched to meet your system needs. The TB9400 gives you the flexibility to make module changes in the field.

Built-in Standard Interfaces

- ▶ The TB9400 has built-in a variety of industry-standard IP interfaces to enable easy connectivity to the rest of your system. These include HTTPS web browser access for maintenance and SNMP for monitoring.

Power Management System

- ▶ The comprehensive power management system provides the ability to automatically switch between AC and DC input power, to move to battery operation in the case of power failure, and to provide an auxiliary power supply for third-party equipment.

Complete Remote Accessibility

- ▶ The advanced web interface of the TB9400 makes remote management of your system simple. The web interface uses HTTPS which provide security for the transactions between the web browser and the base station. Parameters can be configured or monitored remotely with a web browser and multiple user accounts are supported for user access control. With the Management API, all client base station configurations can be centrally and remotely managed by Tait EnableFleet.

Robust Specifications

- ▶ Built to exceed standard specifications, the TB9400 is designed to withstand extreme temperature conditions. Engineered for maximum reliability, the TB9400 has large heat sinks, advanced cooling, and the intelligence to maintain the highest possible levels of service in adverse environments.

Peak RF Performance

- ▶ With outstanding specifications for selectivity, adjacent channel interference and fast key-up times, the TB9400 base station was designed using the best RF practices.

Base Station – 50W Single, Dual & 100W Single

Standard Package Includes:

- ▶ Subrack including front panel with triple fans
- ▶ Control panel
- ▶ Power Management Unit (PMU) options as selected
- ▶ Power Amplifier (PA)
- ▶ Reciter (receiver/exciter) with system interface
- ▶ Installation guide



Options:

- ▶ PMU options are:
 - AC = Input of 88-264VAC with 12, 24 or 48VDC AUX output
 - DC = Input of 48VDC with 12, 24 or 48VDC AUX output
 - ACDC = Inputs of 88-264VAC with 12, 24 or 48VDC AUX output
 - Auxiliary (AUX) power output voltage options are selectable; 12VDC, 24VDC or 48 VDC AUX
 - Choose the PMU from the OTDP TB9400 Base Station configuration table
- Power Cord options:
 - Choose the Power Cord from the OTDP TB9400 Base Station configuration table. Please note that DC PMU option, power cord is not required.
- ▶ Licenses
 - Choose the Licenses from the OTDP TB9400 Base Station configuration table

Note:

- ▶ Not all products have compliance in all regions/countries. Please check the Tait Product Specification sheet or contact your Tait Representative for further information.
- ▶ Additional configuration costs may apply. If you have any queries, please contact your Tait customer support representative.
- ▶ For more configuration options, please refer to the OTDP TB9400 Base Station configuration table.

Frequency	Range	Tait Band	TB9415 Single/Dual 50W with PMU	TB9435 Single 100W with PMU	TB9444 Multi Reciter Max 4 Channel with PMU
VHF	136-174MHz	B1	✓	✓	
UHF	378-420MHz	HH	✓	✓	
	400-480MHz	HG	✓	✓	
	470-520MHz	H3	✓	✓	
700/800MHz	RX 794-824MHz TX 762-870MHz	K4	✓	✓	

TB9400 Base Station – Receive Only

Standard Package Includes:

- ▶ Subrack including front panel with triple fans
- ▶ Control panel
- ▶ Power Management Unit (PMU) options as selected
- ▶ Reciter (receiver/exciter) with system interface
- ▶ Installation guide



Options:

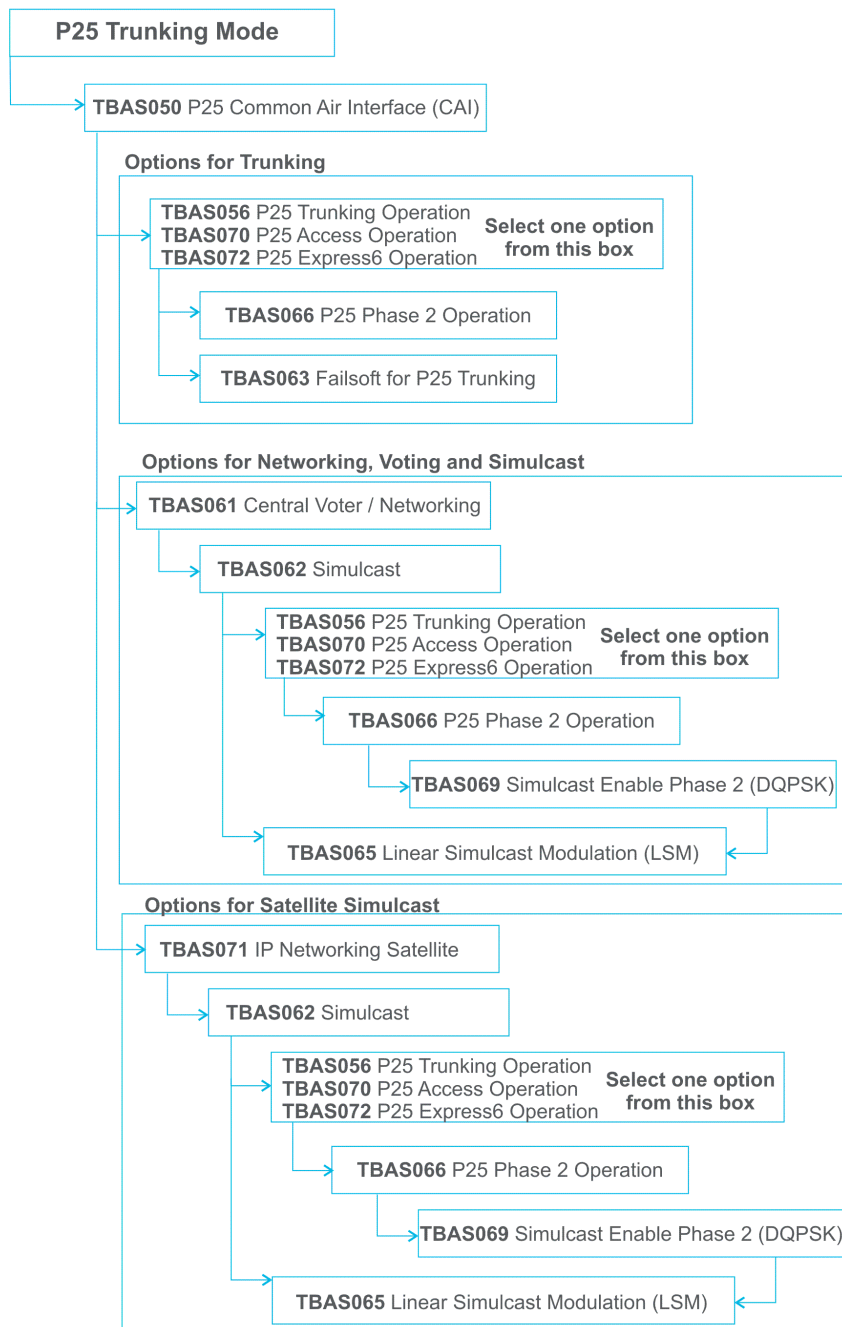
- ▶ Receive Only options are:
 - ▶ Choose the number of receivers required from 1 to 4
 - ▶ PMU options are:
 - AC = Input of 88-264VAC with 12, 24 or 48VDC AUX output
 - DC = Input of 48VDC with 12, 24 or 48VDC AUX output
 - ACDC = Inputs of 88-264VAC with 12, 24 or 48VDC AUX output
 - Auxiliary (AUX) power output voltage options are selectable 12VDC, 24VDC or 48VDC AUX.
 - Choose the PMU from the OTDP TB9400 Base Station configuration table
- ▶ Power Cord options:
 - Choose the Power Cord from the OTDP TB9400 Base Station configuration table. Please note that for DC PMU options a power cord is not required.
- ▶ Licenses
 - Choose the Licenses from the OTDP TB9400 Base Station configuration table.

Base Station Licenses

Software Licenses – Digital Mode

Software Licences - Digital Mode Trunking, Voting with Simulcast Enablers

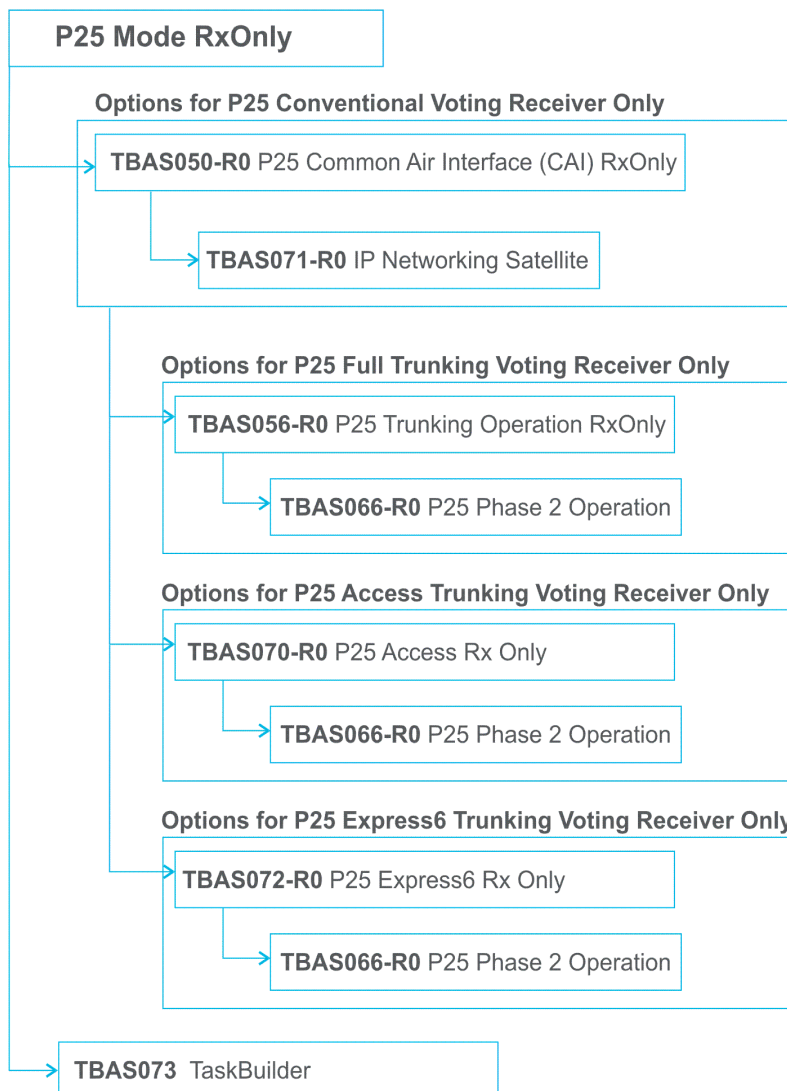
All software enhancements are enabled on a per feature per reciter basis.



Base Station Licenses

Software Licences - Digital Mode Rx Only for Conventional and Trunking Enablers

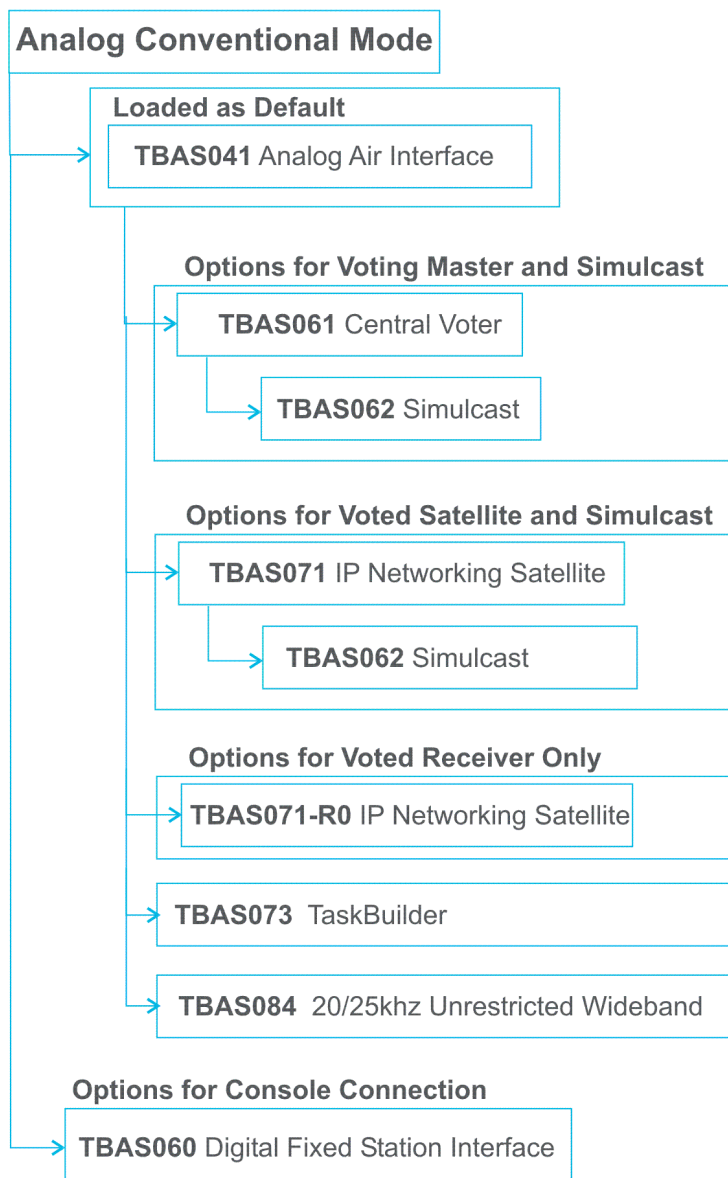
All software enhancements are enabled on a per feature per reciter basis.



Base Station Licenses

Software Licences - Analog Voting Mode with AS-IP Simulcast Enablers

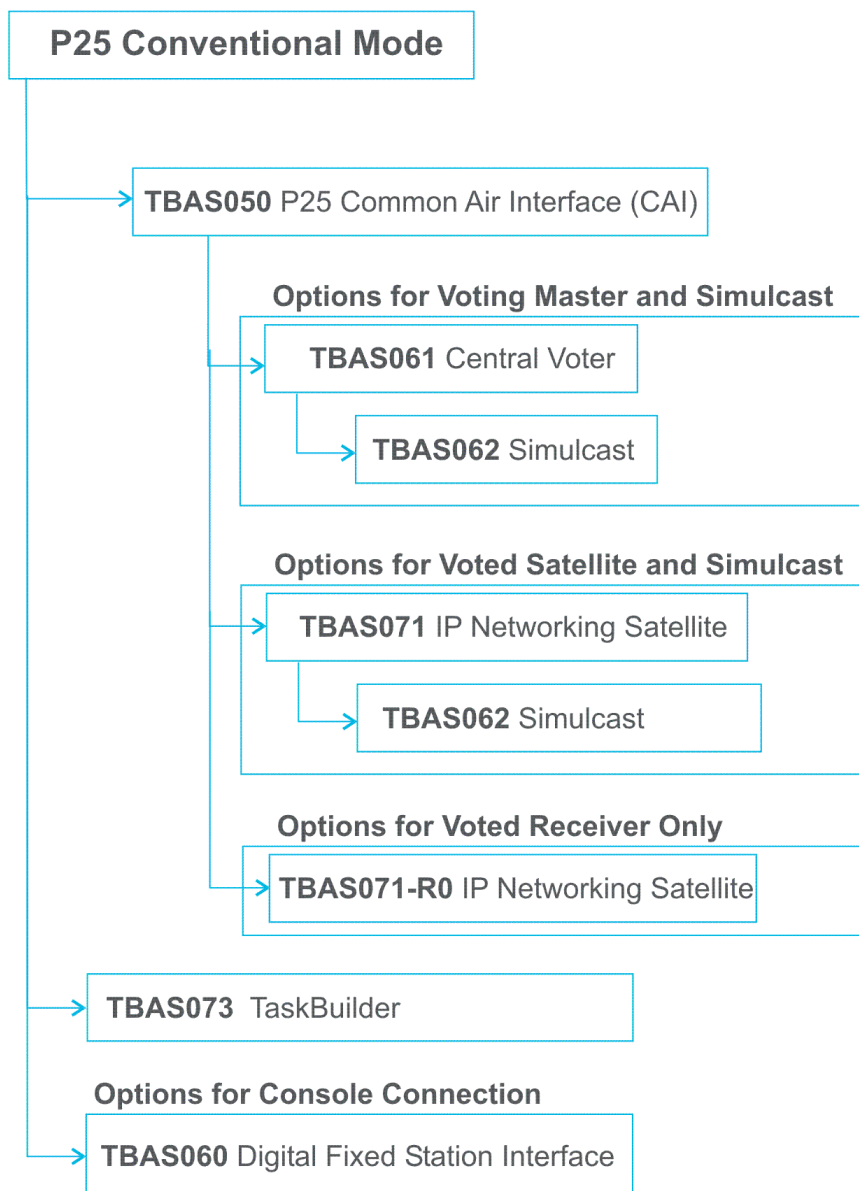
All software enhancements are enabled on a per feature per reciter basis.



Base Station Licenses

Software Licences - Digital Voting Mode with Simulcast Enablers

All software enhancements are enabled on a per feature per reciter basis.



TB9400 PMU

Reciter (Receiver/Exciter)

Overview:

- ▶ A Reciter consists of a receiver and exciter, including RF, DSP & audio stages.

Note:

- ▶ Not all products have compliance in all regions/countries. Please check the Tait Product Specification sheet or contact your Tait Representative for further information



ITEM CODE	DESCRIPTION
101-11103-BAAA	TB9400 Stocker Reciter 136-174M
101-11103-JAAA	TB9400 Stocker Reciter 378-420M
101-11103-KAAA	TB9400 Stocker Reciter 400-440M
101-11103-LAAA	TB9400 Stocker Reciter 440-480M
101-11103-MAAA	TB9400 Stocker Reciter 470-520M
101-11103-NAAA	TB9400 Stocker Reciter 762-870M
101-1104-BAAA	TB9400 Stocker 136-174M Receiver Only
101-1104-JAAA	TB9400 Stocker 378-420M Receiver Only
101-1104-KAAA	TB9400 Stocker 400-440M Receiver Only
101-1104-LAAA	TB9400 Stocker 440-480M Receiver Only
101-1104-MAAA	TB9400 Stocker 470-520M Receiver Only
101-1104-NAAA	TB9400 Stocker 762-870M Receiver Only

TB9400 PMU

Linear Power Amplifier (LPA) 100W

Overview:

- ▶ Paired with the TB9400 Reciter this PA is linearized to efficiently support complex modulation schemes by a Digital Cartesian Loop, efficiently supporting complex modulation schemes such as LSM and P25 Phase 2
- ▶ Remotely configurable and programmable
- ▶ 100% duty cycle @ 60°C (140°F)
- ▶ 2.5 millisecond key-up-time
- ▶ Programmable output power in 1W steps
- ▶ A limit of one 100W PA can be fitted into a TB9400 subrack

Note:

- ▶ Not all products have compliance in all regions/countries. Please check the Tait Product Specification sheet or contact your Tait Representative for further information.



ITEM CODE	DESCRIPTION
TB9490-B1M0-0000-0000-10	TB9400 Spare Linear PA 136-174M 100W
TB9490-B3M0-0000-0000-10	TB9400 Spare Linear PA 148-174M 100W
TB9490-H1M0-0000-0000-10	TB9400 Spare Linear PA 400-440M 100W
TB9490-H2M0-0000-0000-10	TB9400 Spare Linear PA 440-480M 100W
TB9490-H3M0-0000-0000-10	TB9400 Spare Linear PA 470-520M 100W
TB9490-HHM0-0000-0000-10	TB9400 Spare Linear PA 378-470M 100W
TB9490-K4M0-0000-0000-10	TB9400 Spare Linear PA 762-870M 100W
SPARES	DESCRIPTION
T01-01110-AAAA	TB9400 P25 Front Panel Assembly 100W

TB9400 PMU

Linear Power Amplifier (LPA) 50W

Overview:

- ▶ Paired with the TB9400 Reciter this PA is linearized to efficiently support complex modulation schemes by a Digital Cartesian Loop, efficiently supporting complex modulation schemes such as LSM and P25 Phase 2
- ▶ Remotely configurable and programmable
- ▶ 100% duty cycle @ 60°C (140°F)
- ▶ 2.5 millisecond key-up-time
- ▶ Programmable output power in 1W steps
- ▶ A limit of two 50W PA can be fitted into a TB9400 subrack

Note:

- ▶ Not all products have compliance in all regions/countries. Please check the Tait Product Specification sheet or contact your Tait Representative for further information.



ITEM CODE	DESCRIPTION
TB9490-B1H0-0000-0000-10	TB9400 Spare Linear PA 136-174M 50W
TB9490-B3H0-0000-0000-10	TB9400 Spare Linear PA 148-174M 50W
TB9490-H1H0-0000-0000-10	TB9400 Spare Linear PA 400-440M 50W
TB9490-H2H0-0000-0000-10	TB9400 Spare Linear PA 440-480M 50W
TB9490-H3H0-0000-0000-10	TB9400 Spare Linear PA 470-520M 50W
TB9490-HHH0-0000-0000-10	TB9400 Spare Linear PA 378-470M 50W
TB9490-K4H0-0000-0000-10	TB9400 Spare Linear PA 762-870M 50W

TB9400 PMU

Power Management Units (PMU)

Standard Features for Standby power supply include:

- ▶ Seamless ACDC change over
- ▶ DC options are 12, 24, 48VDC
- ▶ Enable AC, DC or ACDC supply
- ▶ Selectable auxiliary output voltage to be 12, 24, or 48VDC

Standard Features for Auxiliary power supply include:

- ▶ Floating output may be negatively or positively earthed
- ▶ Can be configured to be on all the time (to supply external equipment) or only while mains are available

Note:

- ▶ Standby and Auxiliary Power Supplies are included as standard



AC – Power Management Units (PMU)

Standard Package Includes:

- ▶ 88 to 264V input with power factor correction
 - ▶ Selectable auxiliary output voltage to be 12, 24, or 48VDC
 - ▶ Sufficient output power to drive 1 x 100W transmitter or up to two 50W transmitters
 - ▶ Remotely controllable and programmable
- Built-in alarms and diagnostics



ITEM CODE	DESCRIPTION
T01-11140-AAAA	TB8000/9000 Power Management Unit TD440-AC

TB9400 PMU

DC – Power Management Units (PMU)

Standard Package Includes:

- ▶ Operates from 48VDC supply
- ▶ Input supply can be negatively or positively earthed
- ▶ Selectable auxiliary output voltage to be 12, 24, or 48VDC
- ▶ Sufficient output power to drive 1 x 100W transmitter or up to two 50W transmitters
- ▶ Remotely controllable and programmable
- ▶ Built-in alarms and diagnostics



ITEM CODE	DESCRIPTION
T01-11140-BDAA	TB8000/9000 Power Management Unit TD440- DC48

ACDC – Power Management Units (PMU)

Standard Package Includes:

- ▶ Seamless and automatic switching from AC to DC
- ▶ AC operates 88 to 264V input with power factor correction
- ▶ DC operates from 12, 24 or 48VDC supply
- ▶ DC input supply can be negatively or positively earthed
- ▶ Selectable auxiliary output voltage to be 12, 24, or 48VDC
- ▶ Sufficient output power to drive 1 x 100W transmitter or up to two 50W transmitters
- ▶ Remotely controllable and programmable
- ▶ Built-in alarms and diagnostics



ITEM CODE	DESCRIPTION
T01-11140-ABAA	TB8000/9000 Power Management Unit TD440-AC/DC12
T01-11140-ACAA	TB8000/9000 Power Management Unit TD440-AC/DC24
T01-11140-ADAA	TB8000/9000 Power Management Unit TD440-AC/DC

Tait Services

As an OEM with more than 50 years of experience in designing, building, deploying and maintaining critical communications systems, Tait understands that a robust design and implementation is crucial for radio network reliability, efficiency and scalability. Incorporating Tait project and professional services along with a Tait P25 infrastructure purchase helps drive cost effective deployment and network optimization to increase operational efficiency of the entire communications network.

Efficiency and Reliability

Tait works alongside our dealers to deliver a full portfolio of implementation services to ensure the communications network delivers the outcomes your end users expect. We work with you to understand your requirements and constraints, then design and deploy the most efficient and reliable solution for your situation.

Our deep industry knowledge, communications product and solution expertise, and complete range of services to support communications network delivery work together to ensure an optimal solution that your customer can rely on.

Scalability

Plan and deliver a communications system that continues to grow and evolve while delivering operational efficiency. We understand the complexities of integrating and upgrading communications networks and will work with you to design an optimized network that will accommodate growth.

Services Built for Critical Communications Networks

Available Tait Implementation Services include turnkey network delivery as a complete project, or selection of project services, as needed, and including:

- Detailed system design and redesign
- System upgrades and integrations
- Installation and deployment of base stations
- Radio systems installation and commissioning
- Coverage planning and verification
- Interference mitigation
- Capacity planning
- Site RF system design and site surveys

Project Services

We offer project management services that can oversee the entire design, implementation, commissioning, and acceptance testing for your customer's communications network. Our industry qualified project managers will control and organize each stage of the project to deliver the agreed solution, and can include strategy and selection, planning and scheduling, communications, risk management, change control, deployment and transition to the live environment.

Acceptance Testing

When a customer requires evidence of a delivered solution's conformance to a defined set of outcomes, Tait Acceptance Testing provides the means to obtain and deliver the evidence. Acceptance tests may take place at various stages of system deployment, for different purposes and are frequently combined within a project.

Acceptance test types may include:

- **Factory Acceptance Test (FAT):** testing performed in a Tait-managed staging environment
- **System Acceptance Test (SAT):** testing performed on a commissioned system in the customer environment
- **Customer Acceptance Test (CAT):** testing performed when and where required by the customer to satisfy their verification goals
- **User Acceptance Test (UAT):** testing performed on a commissioned system by the customer's representative end-users for the purpose of verifying system usability

Tait will incorporate the required acceptance testing into the scope and plan for a delivery project. Testing will be planned according to the purpose and functional or performance baselines agreed with the dealer and customer. Tait will arrange and perform testing or can supervise testing performed by others, including our appointed partners.

Support Options

Support options for Tait P25 infrastructure and communications networks include:

- **Tait Assurance:** (for stand-alone repeaters) Extended warranty, 8/5 technical support and software updates
- **Tait Advantage:** (for networks) Extended warranty, 24/7 technical support with service restoration, software updates and optional 24/7 network monitoring
- **Tait Managed:** Monitoring and managing network operations, performance, reporting and maintenance

Accessories and Spares

Accessories

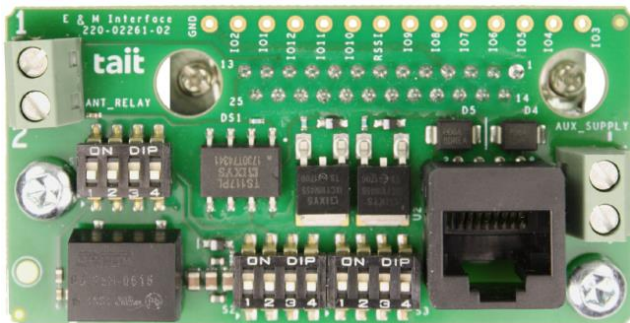
Power Cables

ITEM CODE	DESCRIPTION
219-01000-00	CBL cord 2m Aust/NZ IEC (TB93/94/73)
219-01001-00	CBL cord 2m UK IEC (TB93/94/73)
219-01002-00	CBL cord 2m EU IEC (TB93/94/73)
219-01007-00	CBL cord 2m BRL IEC (TB93/94/73)
219-01561-00	CBL cord 2m USA IEC blk (TB93/94/73)

E&M Isolation Adaptor

ITEM CODE	DESCRIPTION
TBC101A	E&M Isolation Adaptor

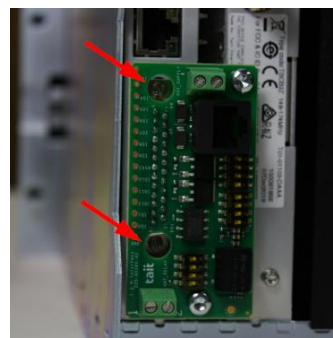
The TBC101A E&M Isolation Adapter module mounts directly to the DB-25 connector at the rear of a TB7300 base station or TB9300/TB9400 reciter. It is designed to allow E&M signaling voltages to be applied to a base station and provide full galvanic isolation between the base station and external equipment, such as telecom lines.



Rear of TB7300 with isolation adapter fitted



Rear of TB93/94 with isolation adapter fitted



Accessories and Spares

Spare Subracks

ITEM CODE	DESCRIPTION
TBC-SP-9435RF	TB9400 P25 Subrack AC/DC Linear 100W
TBC-SP-9415RF	TB9400 P25 Subrack AC/DC Linear 50W
TBC-SP-9444RF	TB9400 P25 Subrack Assembly Receive Only with PMU
TBC-SP-9315RF	TB9300 Spare Subrack AC/DC 50W
TBC-SP-9335RF	TB9300 Spare Subrack AC/DC 100W

Spare PBA Kits

ITEM CODE	DESCRIPTION
TBC-SP-0001	TB94 Spare user interface PBA + LCD
TBC-SP-0003	TB94 Spare PBA PA Final TBC 136-174M
TBC-SP-0004	TB94 Spare PBA TBC PA Final 380-440M
TBC-SP-0005	TB94 Spare PBA PA Final TBC 440-520M
TBC-SP-0006	TB94 Spare PBA TBC PA Final K4
TBC-SP-0007	TB94 Spare PBA LPA LPF VHF 50W/100W
TBC-SP-0008	TB94 Spare PBA LPA LPF UHF 50W
TBC-SP-0009	TB94 Spare PBA LPA LPF UHF 100W
TBC-SP-0010	TB94 Spare PBA LPA LPF 700/800M 50W
TBC-SP-0011	TB94 Spare PBA LPA LPF 700/800M 100W

Spare Front Panels

ITEM CODE	DESCRIPTION
TBC-SP-9435FP	TB9400 P25 Front Panel Assembly 100W
TBC-SP-9415FP	TB9400 P25 Front Panel Assembly 50W
TBC-SP-9444FP	TB9400 P25 Front Panel Assembly Receive Only with PMU
TBC-SP-9300FP	TB81/91/93 Spare Front Panel Assy 50/100W

Spare Chassis Assembly (Includes Subrack & Front Panel)

ITEM CODE	DESCRIPTION
TB9315D-050T	TB9300 Dual 50Watt Chassis Assembly
TB9315S-050T	TB9300 Single 50Watt Chassis Assembly
TB9335S-100T	TB9300 Single 100Watt Chassis Assembly
TB9415D-050T	TB9415 Dual 50W Chassis Assembly
TB9415S-050T	TB9415 Single 50W Chassis Assembly
TB9435S-100T	TB9435 Single 100Watts Chassis Assembly
TB9444-RX1T	TB9444 Single Receiverx1 Chassis Assy
TB9444-RX2T	TB9444 Multi Receiverx2 Chassis Assy
TB9444-RX3T	TB9444 Multi Receiverx3 Chassis Assy
TB9444-RX4T	TB9444 Multi Receiverx4 Chassis Assy

Accessories and Spares

TB9400 Power Amplifiers

ITEM CODE	DESCRIPTION
T01-11121-BABA	TB9400 Stocker Linear Power Amplifier 136-174M 50W
T01-11121-KAAA	TB9400 Stocker Linear Power Amplifier 400-440M 50W
T01-11121-LAAA	TB9400 Stocker Linear Power Amplifier 440-480M 50W
T01-11121-NAAA	TB9400 Stocker Linear Power Amplifier 762-870M 50W
T01-11121-BBBA	TB9400 Stocker Linear Power Amplifier 136-174M 100W
T01-11121-KBAA	TB9400 Stocker Linear Power Amplifier 400-440M 100W
T01-11121-LBAA	TB9400 Stocker Linear Power Amplifier 440-480M 100W
T01-11121-NBAA	TB9400 Stocker Linear Power Amplifier 762-870M 100W

Support Bracket

ITEM CODE	DESCRIPTION
TBAA03-13	TB8000/9000 Auxiliary Support Bracket

Handle

ITEM CODE	DESCRIPTION
TBAA03-16	TB8000/9000 Carrying Handles

Front Panel Assembly

ITEM CODE	DESCRIPTION
T01-01110-AAA	TB9400 P25 Front Panel Assembly 100W
T01-01110-BAA	TB9400 P25 Front Panel Assembly 50W
T01-01110-CAA	TB9400 P25 Front Panel Assembly Receive Only with PMU

Channel Upgrade Kit

ITEM CODE	DESCRIPTION
T01-01150-003	Single Channel Upgrade for TB9400 (Requires appropriate Reciter and PA to be ordered separately.

Isolation Adapter

ITEM CODE	DESCRIPTION
TBC101A	TB7394 EAM Isolation Adaptor

Relay Coax Assembly

ITEM CODE	DESCRIPTION
TBCA03-10	Relay coax assembly

Extender Cables

ITEM CODE	DESCRIPTION
T01-01150-001	Extender Cables

Accessories and Spares

Cable Kits

T01-01150-0003 - TB9400 Kit Cable Single 50W Channel Upgrade

This kit is for adding a second reciter and **50W PA** to a TB9400 subrack.

It contains the following cables:

- 2 x 150mm SMA RF Cable reciter to PA
- 1 x 150mm 8-way cable PA to subrack board
- 1 x 85mm 20-way cable reciter to subrack board
- 1 x 175mm Power cable from PMU to subrack board
- Also included are a clamp and screw to secure the PA, and a cable clamp to secure the PA power cable

T01-01150-0005 - TB9400 Kit Cable Single 100W Replacement Cable Set

This kit contains a set of replacement cables for the **100W TB9400** subrack.

It contains the following cables:

- 1 x 225mm SMA RF Cable reciter to PA
- 1 x 150mm SMA RF Cable reciter to PA
- 1 x 100mm 16-way cable PMU to subrack board
- 1 x 150mm 8-way cable PA to subrack board
- 1 x 90mm 20-way cable reciter to subrack board
- 1 x 130mm Power cable from PMU to subrack board
- Also included are a clamp and screw to secure the PA, and a cable clamp to secure the PA power cable

T01-01150-0007 TB9400 Single 50W Replacement Cable Set

This kit contains a set of replacement cables for a single **50W TB9400** subrack.

It contains the following cables:

- 2 x 150mm SMA RF Cable reciter to PA
- 1 x 100mm 16-way cable PMU to subrack board
- 1 x 150mm 8-way cable PA to subrack board
- 1 x 90mm 20-way cable reciter to subrack board
- 1 x 130mm Power cable from PMU to subrack board
- 1 x 315mm Power cable from PMU to PA
- Also included are 2 clamps and 2 screws

Accessories and Spares

Cable Kits (continued)

T01-01150-0009 TB9400 Dual 50W Replacement Cable Set

This kit contains a set of replacement cables for a dual **50W TB9400** subrack.

It contains the following cables:

- 4 x 150mm SMA RF Cable reciter to PA
- 1 x 100mm 16-way cable PMU to subrack board
- 2 x 150mm 8-way cable PA to subrack board ■ 2 x 90mm 20-way cable reciter to subrack board
- 1 x 130mm Power cable from PMU to subrack board
- 1 x 315mm Power cable from PMU to PA ■ 1 x 175mm Power cable from Subrack board to PA
- Also included are 2 clamps and 2 screws

Accessories and Spares

Base Station Tool Kit



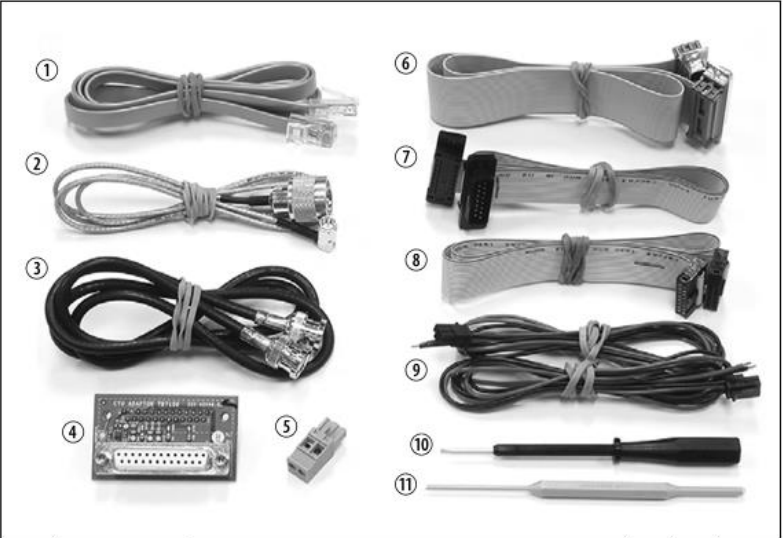
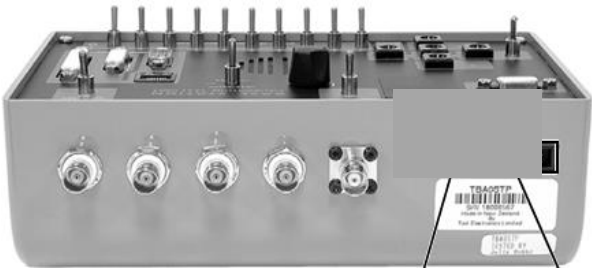
ITEM CODE	DESCRIPTION
TBA0ST2	Tool Kit

Content:

- screwdriver Torx T20
- screwdriver tip flat 2mm
- spanner 5/16" fixed
- screwdriver tip Pz #2 L100
- tuning tool 0.9 x 0.4mm ceramic tip
- screwdriver tip T10 L75
- screwdriver tip T08 L78
- screwdriver extnl 5.5 hex M3 L76
- screwdriver tip flat 5x1 L78
- tuning tool Johanson 8777
- tuning tool ceramic 1.8 x 30mm

Base Station Calibration Test Unit + Cable

ITEM CODE	DESCRIPTION
TBA0STU	CALIBRATION TEST UNIT + CABLE



	Part Number	Description	TB7100	TB8100	TB8200/ TB9100
①	219-03003-00	RJ45 cable			✓
②	219-02893-00	SMA-to-N-type cable		✓	✓
③	219-02892-00	BNC-to-BNC cable	✓	✓	✓
④	TB80STU-TB8	TB7100 CTU adaptor board for use with 25-way cable	✓		
⑤	240-00022-11	power connector for PMU auxiliary DC output		✓	✓
⑥	219-02888-00	25-way cable (D-range)	✓	✓	
⑦	219-02889-00	15-way cable (TaitNet D-range)		✓	
⑧	219-02890-00	16-way cable (system control bus)		✓	✓
⑨	219-02891-00	DC power cables		✓	✓
⑩	937-00012-00	tuning tool (Murata ceramic)	✓	✓	✓
⑪	937-00013-00	tuning tool (Johanson 8777)		✓	✓