

Version 4.3 February 2024

TB7300 Base Station Slimline – P25, DMR, Analog

- ▶ **Base Stations**
- ▶ **Options & Accessories**



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Scope:

This product catalog outlines the Tait product range.

Custom product and non-standard equipment is 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 assure 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:

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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.

Rugged • Flexible • High Performance

Tait introduces a software flexible, rugged Base station/Repeater for P25 (TB7360), DMR Tier 3 and DMR Tier 2 systems, or Analog (TB7310) repeaters.

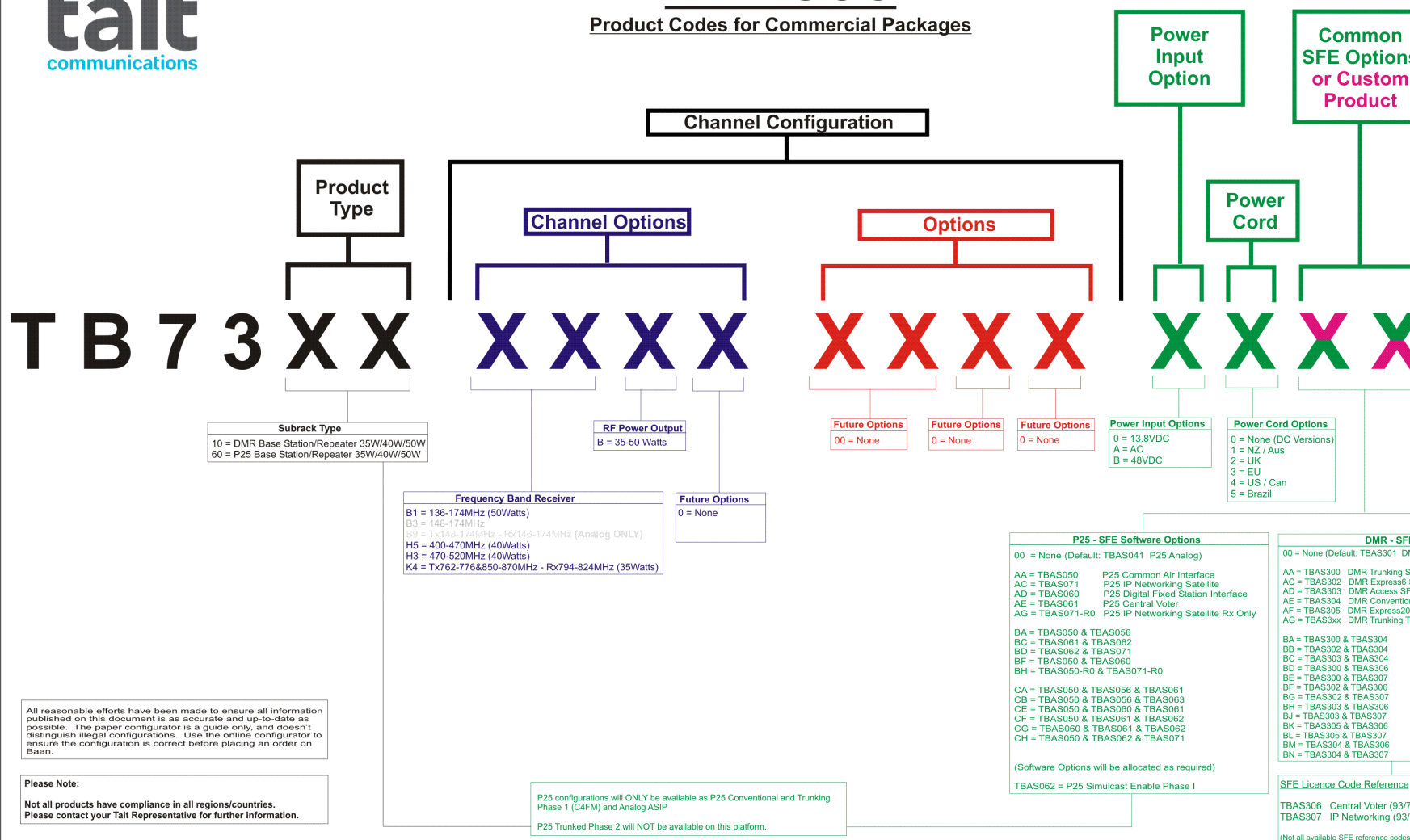
The TB7300 integrates seamlessly with the proven Tait 9300 series high performance Base Station. A slim, 1U design forms part of an intelligent building block of an end-to-end network solution, which includes Base Station, Terminals and Tait network management software applications..

The TB7300 offers you the following features:

- ▶ Economical slim 1U design
- ▶ Three operating modes P25, DMR Tier 2 and Tier 3, 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
- ▶ TaitEnable application suite compatible
- ▶ Tait DMR Access and Express solution compatible
- ▶ 50 Watt output power (VHF) 100% Duty Cycle
- ▶ 13.8VDC Input power typical
- ▶ 115-230VAC Input power

Frequency	Tait Band	Range	Power
VHF	B1	136–174MHz	50W
UHF	H5	400–470MHz	40W
UHF	H3	450–520MHz	40W
700/800Mhz	K4	762–870MHz	35W





Example of: TB7360B1B0000000AA

Product Type
TB73 = Default Items for TB7300
60 = P25 Bstn/Rptr, Single 50W

Channel Frequency Band
B1 = Frequency Band 136-174MHz Channel Frequency
B = 50Watts RF Power Output
0 = None Future Options

Package Options
00 = None Future Options
0 = None Future Options
0 = None Future Options

Power Input Option, SFE Option or Custom Product or Custom Product
0 = Power Input DC13.8V
0 = None Power Cord Option
AA = TBAS050 P25 Conventional (CAI) Software Keys



Base Station – VHF 50W, UHF 40W

Standard Package Includes:

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



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.
- ▶ **DMR Tier III TRUNKING** - Software Feature License TBAS300 (e.g., TB7310B1H0000000AA)
- ▶ **DMR Tier III EXPRESS6** - Software Feature License TBAS302 used with TNAS320 (e.g., TB7310B1H0000000AC)
- ▶ **DMR Tier III ACCESS** - Software Feature License TBAS303 is included in the DMR Access Stand Alone Base Station configuration without a node controller (e.g., TB7310B1H0000000AD).
- ▶ **DMR Tier II CONVENTIONAL** – Software Feature License TBAS304 for DMR Conventional mode of operation (e.g., TB7310B1H0000000AE).
- ▶ **DMR Tier III EXPRESS20** - Software Feature License TBAS305 used with TNAS321 (e.g., TB7310B1H0000000AF)
- ▶ **Analog Repeater** – Software Feature License TBAS301 for Analog Conventional mode of operation (e.g., TB7310B1H000000000) is fitted as default (i.e., SFE included in all configurations)
- ▶ For more configuration options, please refer to the TB7300 Base Station configuration table on page 4. Additional configuration costs may apply.

Software Licenses

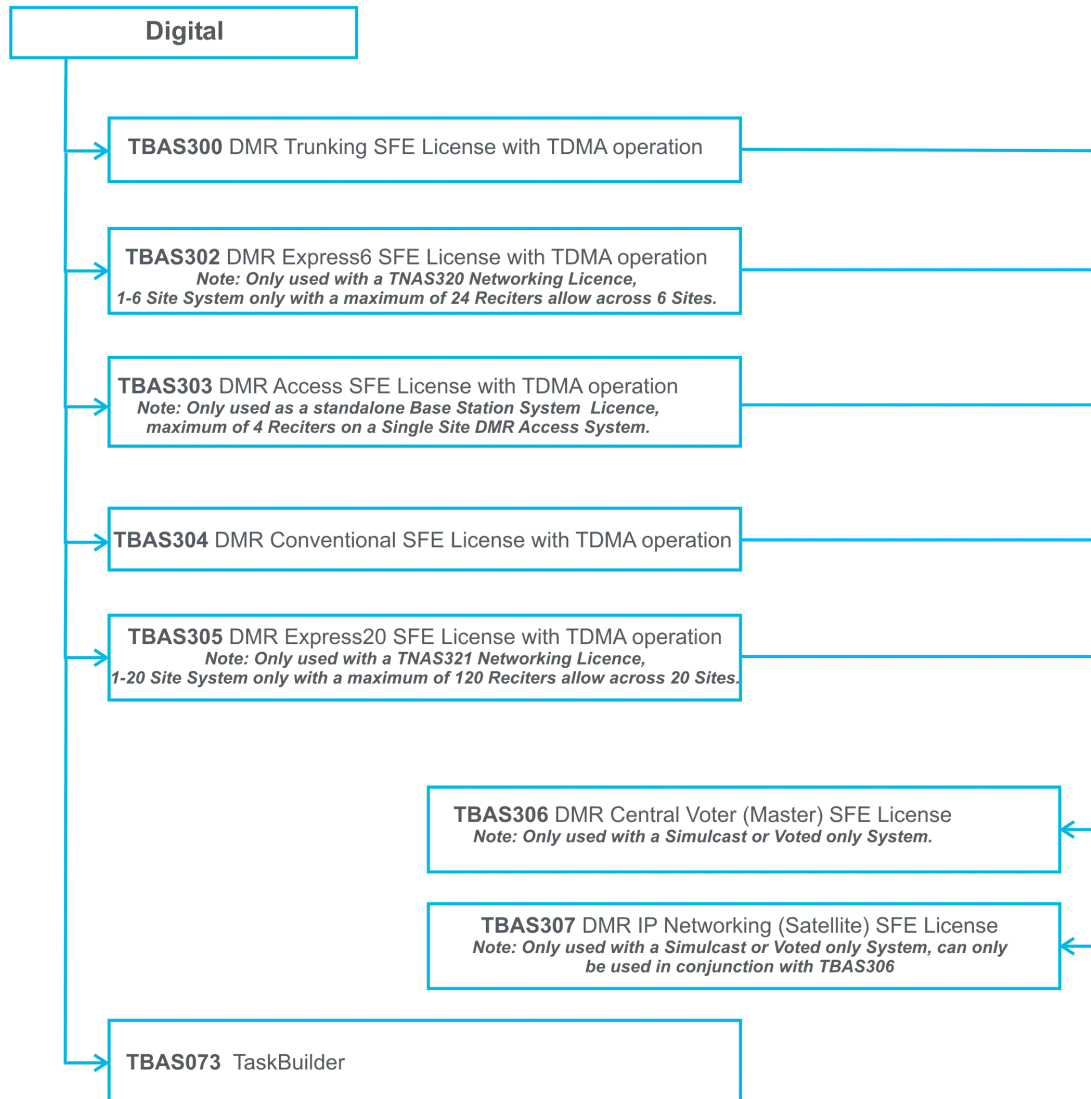
DMR	
ITEM CODE	DESCRIPTION
TBAS301	SFE Key - Analog Air interface (93/73)
TBAS300	SFE Key - Trunking with TDMA operation (93/73)
TBAS302	SFE Key - Express6 with TDMA operation (93/73)
TBAS303	SFE Key - Access with TDMA operation (93/73)
TBAS304	SFE Key - Conventional with TDMA operation (93/73)
TBAS305	SFE Key - Express 20 with TDMA operation (93)
TBAS073	SFE Key - TaskBuilder

P25	
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 (91/94/73)
TBAS063	SFE Key - Failsoft for P25 Trunking (91/94/73)
TBAS070	SFE Key - P25 Access
TBAS071	SFE Key - IP Networking Satellite
TBAS072	SFE Key - P25 Express6
TBAS073	SFE Key - TaskBuilder
ANALOG	
ITEM CODE	DESCRIPTION
TBAS041	SFE Key - Analog Air Interface (94/73)
TBAS061	SFE Key - Central Voter (91/94/73)
TBAS062	SFE Key - Simulcast Enable Phase I (91/94)
TBAS071	SFE Key - IP Networking Satellite
TBAS073	SFE Key - TaskBuilder

Software maintenance and support is 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.

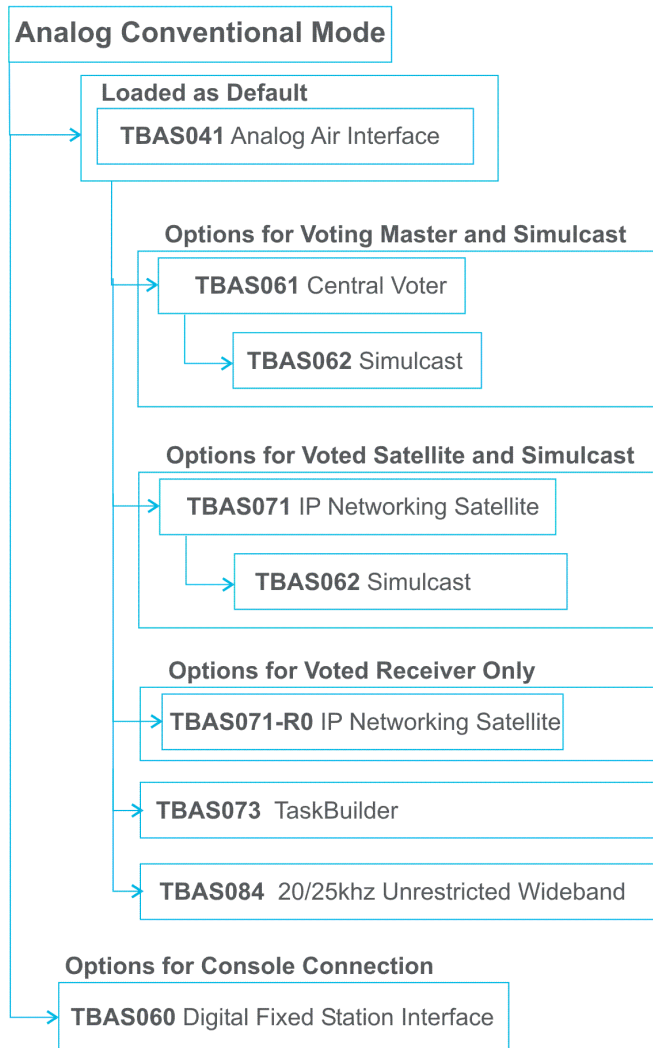
Software Licences

All software enhancements are enabled on a per feature per reciter basis.
TBAS301 Analog Air Interface is fitted as standard.



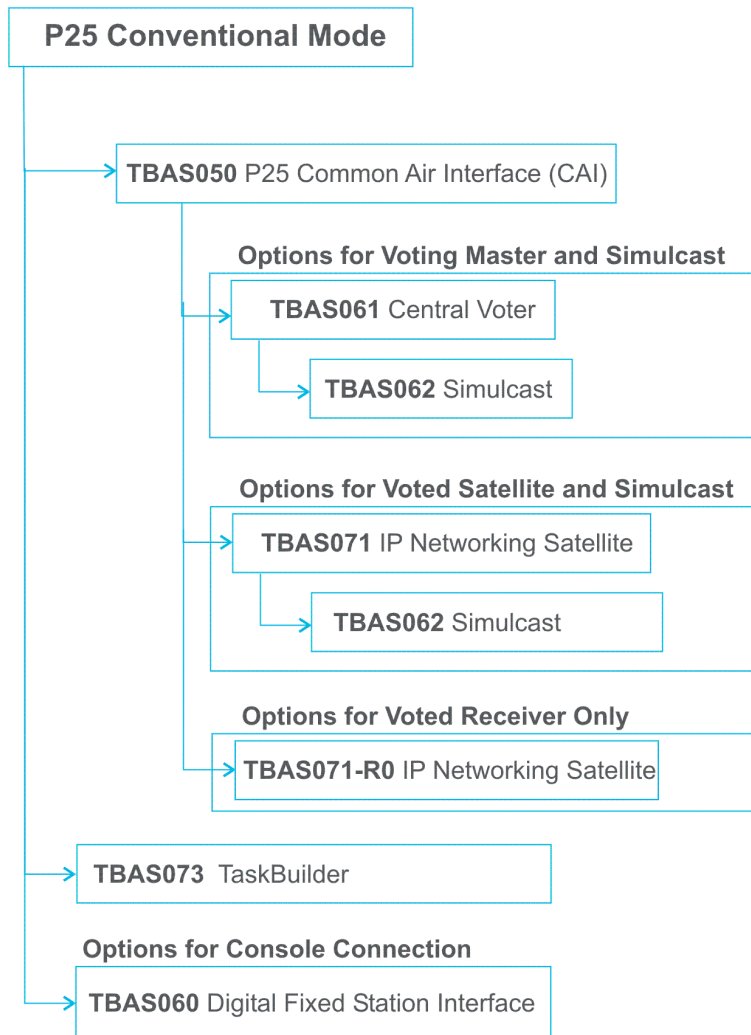
Software Licences - Analog Voting Mode with AS-IP Simulcast Enablers

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.

