

PARTICIPATING ADDENDUM  
WESTERN STATES CONTRACTING ALLIANCE  
PUBLIC SAFETY COMMUNICATION EQUIPMENT  
TAIT NORTH AMERICA, INC.  
CONTRACT #02702

1. Scope: All eligible purchasers within the State of Arkansas including local public procurement units are authorized to purchase products and services under the terms and conditions of this price agreement.
2. Changes: Changes to the terms and conditions of the contract are as follows:  
In addition to any reporting required in the WSCA contract, vendor agrees to provide a quarterly report to the Arkansas Primary Contact within 30 days following the quarter being reported. Reports will include the following data:

- A) Product Report – The quarterly report will include the Sold to Name (State of Arkansas Agency), Bill to Name, Order Number, Invoice Number, Product Purchased, Unit Price and Extended Price.

A Procuring Agency shall determine whether all Products delivered to it meet the Contractor's published specifications. No payment shall be made for any Products or Services until the Products or Services have been accepted by the Procuring Agency. Unless otherwise agreed upon between the Procuring Agency and the Contractor, within thirty (30) days from the date of the invoice, the Procuring Agency shall accept or reject the products or services.

Payments shall be submitted to the contractor at the address shown on the invoice. Payment shall be tendered to the contractor within thirty (30) days of the date of invoice. After the sixtieth (60) day from the date of the invoice unless mutually agreed to, interest shall be paid on the unpaid balance due to the contractor at the rate of one half of one percent per month in accordance with Arkansas Code Annotated §19-11-224. The procuring agency shall make a good-faith effort to pay within thirty (30) days after the date of invoice.

Records relevant to Purchasing Entity transactions shall be subject to examinations by appropriate government authorities for a period of five years from the date of acceptance of the purchase order.

3. Primary Contact: The primary government contact individual for this participating addendum is as follows:

Camber Thompson  
Office of State Procurement  
1509 West 7<sup>th</sup> Street  
Little Rock, AR 72201  
Telephone: (501) 683-0084  
Fax: (501) 324-9311  
e-mail: [camber.thompson@dfa.arkansas.gov](mailto:camber.thompson@dfa.arkansas.gov)

The primary contractor contact for this participating addendum is as follows:

TAIT NORTH AMERICA INC  
15740 PARK ROW, SUITE 450  
HOUSTON, TX 77084

TEL - (281) 829 3300  
FAX - (281) 829 3320

4. Subcontractors:

This Addendum and the Price Agreement together with its exhibits, set forth the entire agreement between the parties with respect to the subject matter of all previous communications, representations or agreements, whether oral or written, with respect to the subject matter hereof. Terms and conditions inconsistent with, contrary or in addition to the terms and conditions of this Addendum and the Price Agreement, together with its exhibits, shall not be added to or incorporated into this Addendum or the Price Agreement and its exhibits, by any subsequent purchase order or otherwise, and any such attempts to add or incorporate such terms and conditions are hereby rejected. The terms and conditions of this Addendum and the Price Agreement and its exhibits shall prevail and govern in the case of any such inconsistent or additional terms.

IN WITNESS WHEREOF, the parties have executed this Addendum as of the date of execution by both parties below.

Govt. Entity: State of Arkansas  
By: Robin Rogers  
Name: Robin Rogers  
Title: Deputy Director  
Date: 8/14/09

Contractor: TAIT NORTH AMERICA INC  
By: [Signature]  
Name: KRISTOPHER KLUG  
Title: V.P. OF FINANCE  
Date: 7-16-09

Lead State: State of Washington

\_\_\_\_\_  
Christine Warnock, Purchasing Agent

Date: \_\_\_\_\_

**Contractor:** Tait North America, Inc.**Contact:** Paul Middleton,**Alternate Contact:** Patricia Nguyen**Phone:** 281-687-4050

281-600-8281

**Fax:** 281-829-3320

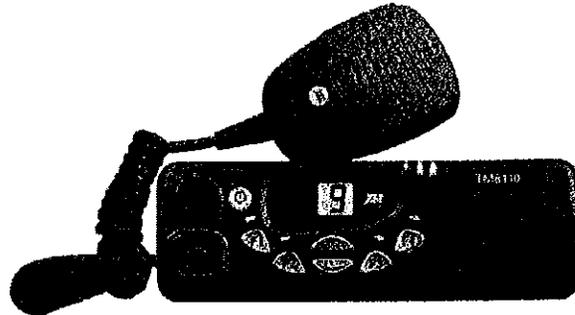
281-829-3320.

**Email:** [paul.middleton@taitmobile.com](mailto:paul.middleton@taitmobile.com)[patricia.nguyen@taitmobile.com](mailto:patricia.nguyen@taitmobile.com)**Internet address:** [wsca@taitmobile.com](mailto:wsca@taitmobile.com)**Web catalog address:** <http://us.taitworld.com>**Catalog** <http://www.ga.wa.gov/pca/contract/02702-Tait-Radio-12052005.pdf>**Federal ID No.:** 74-2209324**Supplier No.:** W6742**Total Contract worth:** \$500,000.00**Payment and Legal address:** Controller: Kris Klug  
15740 Park Row, #450  
Houston TX 77084**Order placement address:** Ops. Mgr: Alan Gutsell  
15740 Park Row, #450  
Houston TX 77084**Customer Service:** Logistic & order processing Dept [wsca@taitmobile.com](mailto:wsca@taitmobile.com)**Telephone:** 281-829-3300**Fax:** 281-829-3320**Ordering procedures:** e-mail or FAX**Credit card acceptance:** Visa, MasterCard**Minimum orders:** None**Delivery time:** 30 days After Receipt of Order (ARO)**Payment terms:** Net 30 days**Shipping destination:** Free on Board (FOB) destination**Freight:** Prepaid and included (UPS Ground)**Palletization:** As Required**Category****Equipment Line items****Link to bid Specifications****Link to Price Sheets****Awarded Phase(s)** Phase I

## Tait North America Inc.

Req. Item	Comm. Code	Description	Qty	Unit	Percentage off Mfg List Price
1.1		TB9100 P25 IP Base Station / Repeater Conventional or Trunked (136-174)(380-520)(762-870)MHz*	1	EA	25%
1.2		TP9100 P25 Portable Radio Conventional or Trunked (136-174)(380-420)(400-470)(450-530)(762-870) MHz*	1	EA	25%
1.3		TM9100 P25 Mobile Radios Conventional or Trunked (136-174)(360-400)(400-470)(450-530)MHz*	1	EA	25%
1.4		KFD P25 Key Fill Device	1	EA	25%
2.0		TB9100 P25 / TB8100 Portable Repeater Conventional or Trunked (136-156)(148-174)(174-193)(193-225)(380-420)(400-440)(440-480)(470-520)(762-869)(852-930)(896-941)*	1	EA	25%
3.1		TB7100 Base Station / Repeater Conventional or Trunked (66-88)(136-174)(216-266)(400-470)(450-530) MHz*	1	EA	25%
3.2		TB8100 Base Station / Repeater Conventional or Trunked (136-156)(148-174)(174-193)(193-225)(380-420)(400-440)(440-480)(470-520)(762-776/850-870)(896-941) MHz*	1	EA	25%
3.3		TP8100 Portable Radio Conventional or Trunked (136-174)(174-225)(400-470)(450-530) MHz* ORCA Portable Radio Conventional or Trunked (66-88)(806-870)(851-870)(896-941)(935-941) MHz*	1	EA	25%
3.4		TM8100/8200 Mobile Radios Conventional or Trunked (66-88)(136-174)(216-266)(350-400)(400-470)(450-530)(762-776)(792-825)(850-941) MHz*	1	EA	25%
4.0		Technical Support Services During Regular Business Hours Outside Regular Business Hours ... (excluding travel expenses)	1 1	HR HR	\$ 85.00 \$150.00
5.0		All other items including accessories.	1	EA	25%

\* Some Power and Band Splits may vary depending on model. See individual product specification sheets for details.

**TM8110 – 10 Channel Mobile Radio**


The TM8110 is a robust, software-flexible radio ideal for a wide range of voice and data applications. Based on a state-of-the-art Digital Signal Processor (DSP) and capable of transmitting high-speed data through an internal software modem, this radio has been designed to give ultimate flexibility for system integration.

**Standard Package Includes:**

- 10 Channel Conventional Radio
- 12.5/20/25 kHz programmable channel spacing
- Intuitive Interface with 1-Digit Display
- Vehicle Installation Kit (excluding antenna)
- Built-in Speaker
- Standard Microphone
- Full Selcall Functionality
- DTMF Encoder
- CCR and CCDI Capable
- Multiple Scanning & Voting Formats Supported
- Emergency Stun, Mode, and Revive
- Low Stand-by Power Consumption
- Three Control Signal Outputs
- Programmable RF Power Levels
- Three Mute Settings
- Handset Audio
- Remote Volume Control
- AVL Software Support
- Windows-based Programming Application
- Built-in CTCSS/DCS

**Benefits:**

- Digital Controller Design
- Rugged Construction – IP54, MIL-STD 810 C,D,E,F
- Data Ready
- Robust RF Performance
- Application-Ready Software
- Advanced System Integration Capabilities

**Options:**

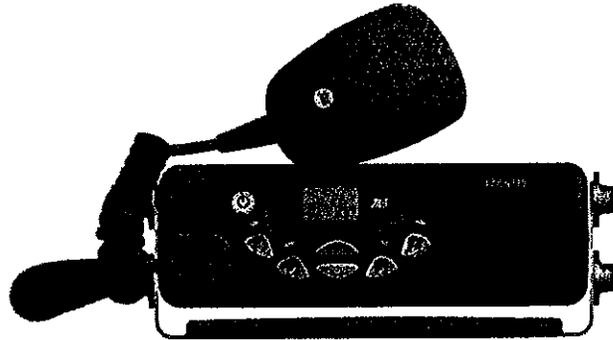
- 600 Ohm Line Option Board
- Internal High Speed Data Modem -- Software Option
- Comprehensive 3DK Hardware Developer's Kit

Frequency Band	Power Level	Product Code	US List Price
136 – 174 MHz	10, 25, 40, 50W	TM8110H-B1A16	515
	1, 5, 10, 25W	TM8110-B1A00	440
216 – 266 MHz	1, 5, 10, 25W	TM8110-D1A00	440
	10, 20, 30, 40W	TM8110H-H5A16	515
400 – 470 MHz	1, 5, 10, 25W	TM8110-H5A00	440
	10, 20, 30, 40W	TM8110H-H7A16	515
450 – 530 MHz	1, 5, 10, 25W	TM8110-H6A00	440

Option	US List Price less
TM8110-xxA01 less microphone	51
TM8110-xxA02 less installation kit	27

- Not all combinations of radios and options may be possible, please check with your Tait Account Manager.
- For additional options, please refer to the TM8000 Mobile Accessories Section in your price book.

<b>TM8115 – 100 Channel Mobile Radio</b>
--



The TM8115 is a robust, software-flexible radio ideal for a wide range of voice and data applications. Based on a state-of-the-art Digital Signal Processor (DSP) and capable of transmitting high-speed data through an internal software modem, this radio has been designed to give ultimate flexibility for system integration.

**Standard Package Includes:**

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>• 100 Channel Conventional Radio, 10 scan groups</li> <li>• 12.5/20/25 kHz programmable channel spacing</li> <li>• Intuitive Interface with 2-Digit Display</li> <li>• Vehicle Installation Kit (excluding antenna)</li> <li>• Built-in Speaker</li> <li>• Standard Microphone</li> <li>• Full Selcall Functionality</li> <li>• DTMF Encoder</li> <li>• CCR and CCDI Capable</li> <li>• Multiple Scanning &amp; Voting Formats Supported</li> </ul> | <ul style="list-style-type: none"> <li>• Emergency Stun, Mode, and Revive</li> <li>• Low Stand-by Power Consumption</li> <li>• Three Control Signal Outputs</li> <li>• Programmable RF Power Levels</li> <li>• Three Mute Settings</li> <li>• Handset Audio</li> <li>• Remote Volume Control</li> <li>• AVL Software Support</li> <li>• Windows-based Programming Application</li> <li>• Built-in CTCSS/DCS</li> </ul> |
|--|--|

**Benefits:**

- Digital Controller Design
- Rugged Construction – IP54, MIL-STD 810 C,D,E,F
- Data Ready
- Robust RF Performance
- Application-Ready Software
- Advanced System Integration Capabilities

**Options:**

- 600 Ohm Line Option Board
- Internal High Speed Data Modem – Software Option
- Comprehensive 3DK Hardware Developer's Kit

Frequency Band	Power Level	Product Code	US List Price
136 – 174 MHz	10, 25, 40, 50W	TM8115H-B1A16	560
	1, 5, 10, 25W	TM8115-B1A00	485
216 – 266 MHz	1, 5, 10, 25W	TM8115-D1A00	485
	10, 20, 30, 40W	TM8115H-H5A16	560
400 – 470 MHz	1, 5, 10, 25W	TM8115-H5A00	485
	10, 20, 30, 40W	TM8115H-H7A16	560
450 – 520 MHz	1, 5, 10, 25W	TM8115-H6A00	485

Option	US List Price less
TM8115-xxA01 less microphone	51
TM8115-xxA02 less installation kit	27

- Not all combinations of radios and options may be possible, please check with your Tait Account Manager.
- For additional options, please refer to the TM8000 Mobile Accessories Section.

**TM8250 – 1500 Channel Alphanumeric Mobile Radio**


The TM8250 is a high performance mobile radio providing a comprehensive solution in conventional systems. This radio is particularly well suited to applications where a high quality and intuitive user interface is required. The TM8250 control head features a large LCD display, offering a number of viewing options and the ability to display a high level of information.

**Standard package includes:**

- 1500 Channel Conventional Radio, 26 Zones
- 300 Scanning and Voting Groups
- 12.5/20/25 kHz programmable channel spacing
- Standard Microphone
- Standard Vehicle Installation Kit
- Enhanced LCD Dot Matrix Display
- 14 Character Labelling
- Intuitive Menu-based Navigation
- CCDI Capable
- Emergency Stun, Mode, and Revive
- Full Selcall Functionality
- DTMF Encode
- Programmable Function Keys
- GPS/AVL Software Support
- Voice Inversion Scrambling
- VOX Support
- Windows-based Programming Application

**Other features:**

- Robust RF Performance
- Rugged Construction – IP54, MIL-STD-810 C,D,E,F
- Advanced System Integration Capabilities

**Options:**

- 6m Remote Installation Kit
- Keypad Microphone
- Internal High Speed Data Modem – Software option

Frequency Band (MHz)	Power Level	Product Code	US List Price
136 – 174	10, 25, 40, 50W	TM8250H-B1A16	660
	1, 5, 10, 25W	TM8250-B1A00	575
216 – 266	1, 5, 10, 25W	TM8250-D1A00	575
400 – 470	10, 20, 30, 40W	TM8250H-H5A16	660
	1, 5, 10, 25W	TM8250-H5A00	575
450 – 520	10, 20, 30, 40W	TM8250H-H7A16	660
450 – 530	1, 5, 10, 25W	TM8250-H6A00	575

Option	US List Price less
TM8250-xxA01 less microphone	51
TM8250-xxA02 less installation kit	27

- Not all combinations of radios and options may be possible, please check with your Tait Account Manager.
- For additional options, please refer to the TM8000 Mobile Accessories Section.

**TM8105 – 100 Channel Data Radio**


The TM8105 is a robust, software-flexible data radio with large options board space, making it one of the most customisable mobile radios on the market. Based on a state-of-the-art Digital Signal Processor (DSP) and capable of transmitting high-speed data through an internal software modem, the TM8105 has been designed to give ultimate flexibility for system integration.

**Standard Package Includes:**

- 100 Channel Conventional Radio (requires CCDI)
- 12.5/20/25 kHz programmable channel spacing
- Blank Control Head
- Vehicle Installation Kit (excluding antenna)
- Full Selcall Functionality
- DTMF Encoder
- CCR and CCDI Capable
- Multiple Scanning & Voting Formats Supported
- Emergency Mode, Stun and Revive
- Low Stand-by Power Consumption
- Three Control Signal Outputs
- 1200 baud FFSK Data Modem
- Programmable RF Power Levels
- Three Mute Settings
- Handset Audio
- Remote Volume Control
- Windows-based Programming Application
- Third Party Control Head Capable
- AVL Software Support
- Built-in CTCSS/DCS

**Benefits:**

- Reliable Signalling with DSP
- Expansive Internal Options Area
- Multiple Auxiliary Ports
- Programmable I/O and Audio Tap Points
- Rugged Mechanical Specifications – IP54, MIL-STD 810 C,D,E,F

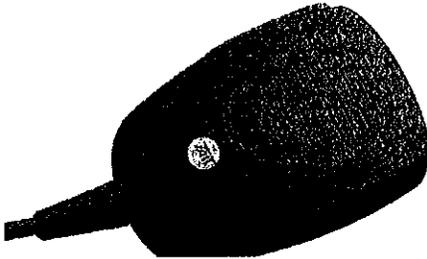
**Options:**

- 600 Ohm Line Option Board
- Mobile Alarm Monitoring
- System or Channel Activity Monitoring
- Internal High Speed Data Modem – Software
- Comprehensive 3DK Hardware Developer's Kit

Frequency Band	Power Level	Product Code	US List Price
136 – 174 MHz	10, 25, 40, 50W	TM8105H-B1A20	505
	1, 5, 10, 25W	TM8105-B1A01	430
216 – 266 MHz	1, 5, 10, 25W	TM8105-D1A01	430
400 – 470 MHz	10, 20, 30, 40W	TM8105H-H5A20	505
	1, 5, 10, 25W	TM8105-H5A01	430
450 – 520 MHz	10, 20, 30, 40W	TM8105H-H7A20	505
450 – 530 MHz	1, 5, 10, 25W	TM8105-H6A01	430

Option	US List Price less
TM8105-xxA02 (less installation kit)	27

- Not all combinations of radios and options may be possible, please check with your Tait Account Manager.
- For additional options, please refer to the TM8000 Mobile Accessories Section.

**TM8000 Mobiles - Options and Accessories**
**Microphones and Speakers**


TM8000 Rugged Microphone



TM8200 Keypad Microphone

Product Code	Description	Detailed Description	US List Price
TMAA02-01	TM8000 Rugged Microphone	Meets MIL standard 810 and IP54.	51
TMAA02-02	TM8100 DTMF Microphone	Generates DTMF tones.	150
TMAA02-06	TM8000 Concealed Mic Support Kit	For TM811x control head.	31
TMAA02-08	TM8200 Rugged Keypad Microphone	Allows user to easily dial channels, and make Selcall and DTMF calls. IP54 rated.	150
TMAA10-01	TM8000 Desktop Microphone	Desktop microphone with monitor and PTT button. If extra audio amplification is needed then fit TMAA02-06. For TM811x only.	165
TMAA10-02	TM8000 Handset	Robust handset for private conversations. Requires TMAA02-06 if used with TM8100.	365
TMAA10-03	TM8000 High Power Remote Speaker	10 W rms with 20W peak, size approximately 130 * 65 * 65mm, 5m cable.	61
TMAA10-04	TM8000 Remote PTT Kit	Includes gear lever remote PTT and visor microphone.	81
TMAA10-05	TM8200 Handsfree Kit	Same as TMAA10-04 but without gear lever PTT. Intended for use with TM8200 VOX.	35

<b>Radio Control Heads</b>
----------------------------



TM8115 Two Digit Display Control Head Standard

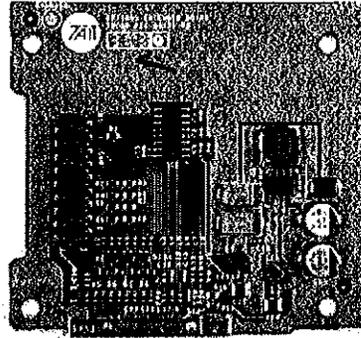
**TM8100:**

Product Code	Description	US List Price
TMAC10-0T	TM8105 Blank Control Head Standard	<b>42</b>
TMAC50-0T	TM8110 One Digit Display Control Head Standard	<b>100</b>
TMAC20-0T	TM8115 Two Digit Display Control Head Standard	<b>115</b>

**TM8200:**

Product Code	Description	US List Price
TMAC40-0T	TM8200 Alphanumeric Control Head	<b>185</b>
TMAC34-0T	TM8250 Remote Installation Blank Head - requires TMAC40-0T, TMAA03-03 & TMAA04-01	<b>75</b>

## Internal Options Boards



TM8000 Options Extender Board

Product Code	Description	Detailed Description	US List Price
TMAA01-01	TM8000 Line Interface Board	Provides a 600-ohm, 2 or 4 wire interface for remote control of the radio.	145
TMAA01-02	TM8000 RS232 Interface Board	Provides RS232 interface	78
TMAA01-05	TM8000 Options Extender Board	Connects internal options connector to DB15 high density. Provides RS232 conversion. Can be configured to provide 5 volt supply.	105

## 3DK Application Developer's Kit

Product Code	Description	Detailed Description	US List Price
TMAA30-01	TM8000 3DK Resource CD	Contains: 3DK Hardware Developer's Manual, CCDI Protocol Manual, Programming Software, Calibration Software, User's Guide, Operator's Manual, Accessories Manual, Service Manual, PCB Information Packs	90
TMAA30-00	TM8000 3DK Hardware Developer's Kit	Includes: TMAA30-01 3DK Resource CD, TMAA01-01 Line Interface Board, TMAA01-05 Options Extender Board, TMAA30-06 Internal Options Kit, and TMAA20-00 Programming Kit.	340
TMAA31-00	TM8000 Enhanced Developers kit	Contains: TMAA30-01 3DK Resource CD, TMAA30-06 Internal Options Kit and TMAA30-02	395
TMAA30-02	TM8000 Applications Target Board	Connects third party equipment to the TM8000 radio, via the external options connector, using a 15 way high density D-range socket.	120
TMAA30-03	RJ45 to DB15	For interfacing to RJ45 through the rear of the radio (via the aux connector) (not pre-wired, some assembly is required).	30
TMAA30-06	TM8000 Internal Options Kit	Contains: connectors, looms and screws. Used to interface to customer's own board.	40
TMAA30-07	Programming Lead	TM8000 3DK Development Board Serial Programming Lead	45
TMAA30-08	ICD2 Adaptor	TM8000 3DK Development Board ICD2 Adaptor Lead	18

<b>Programming and Service Kits</b>
-------------------------------------

<b>Product Code</b>	<b>Description</b>	<b>Detailed Description</b>	<b>US List Price</b>
TMAA20-00	Programming Kit	Includes: Product CD, Programming leads	<b>162</b>
TMAA20-01	TM8000 Product Support CD	Includes: Programming Software, User Guide, Operator's Manual, Accessories Manual, Service Manual	<b>27</b>
TMAA20-02	TM8105 Programming Adaptor	Required to program the TM8105. Converts DB9 to an RJ45, which mirrors the TM8115 mic connector and can use the T2000-A19 and TMAA20-04 programming leads.	<b>17</b>
TMAA20-03	TM8000 Benchtop Power Lead	Used to power TM8000 series radios from a benchtop PSU with banana sockets. Leads are approximately 800mm in length. Not required for desktop use with a Tait PSU.	<b>35</b>
TMAA20-04	TM8000 Programming Adaptor Cable	Used for programming and calibration. Converts the control head's mic socket from 8-way RJ45 to 6-way RJ12. Allows re-use of the T2000-A19 (which is also used for the TOP and T2000). For TM8000 series radios, except TM8105.	<b>12</b>
T2000-A19	Programming Lead	Performs RS232 conversion between radio and PC.	<b>40</b>
T20MAA21-00	TM8000 Service Kit	Includes Product CD, Service Manual, Programming & Calibration Leads and Radio test unit	<b>420</b>
TMAA21-01	TM8000 Cable	Used to connect the radio to TOPA-SV-024.	<b>20</b>
MMA-00001-01	Service and Accessories Manual	Hard copy of the Service Manual which includes both radio and accessory service manuals.	<b>90</b>
TOPA-SV-024	TOP & TM8000 Test Unit	Test unit for maintaining Tait Orca Portable radios and TM8100 mobile radios.	<b>139</b>

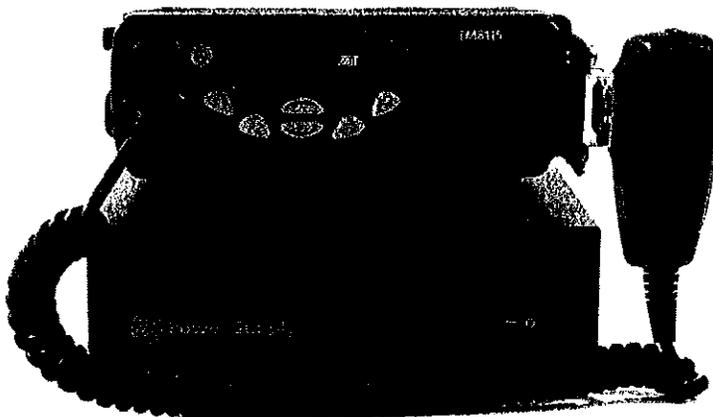
## Spares Kits

Product Code	Description	Detailed Description	US List Price
TMAA22-01	Mechanical Spares for TMAC20-0T	Includes the complete TM8115 control head except the PCB.	60
TMAA22-02	Mechanical Spares for TMABx2	Mechanical parts for 25W radio except for chassis and lid (no PCB.)	40
TMAA22-03	Replacement Boards for TMAC20-0T	TM8115 control head replacement boards (x6).	255
TMAA22-07	Radio body seals	Control head seal (x10).	20
TMAA22-08	Mechanical Spares for TMAC40-0T	Includes the complete TM8255 control head except the PCB and LCD.	60
TMAA22-09	Replacement Boards for TMAC40-0T	TM8200 alphanumeric control head replacement boards (x3).	330
TMAA22-12xx	Replacement Boards for TMAB12-xx00	TM8100 25W radio replacement boards. Where xx = frequency band eg. H5=400-470MHz.	400
TMAA22-22xx	Replacement Boards for TMAB22-xx00	TM8200 25W radio replacement boards. Where xx = frequency band eg. H5=400-470MHz.	450
TMAA22-90	Mechanical Spares for TMAC50-0T	Includes the complete TM8110 control head except the PCB.	60
TMAA22-91	Replacement Boards for TMAC50-0T	TM8110 control head replacement boards (x6).	130

## Display Radios

Product Code	Description	Detailed Description	US List Price
TMAA40-01	TM8105 Display Radio	Includes installation kit, dummy control head and radio body.	77
TMAA40-02	TM8115 Display Radio	Includes microphone, installation kit, dummy control head and radio body.	112
TMAA40-09	TM8200 Display Radio	Includes keypad microphone, installation kit, display control head and radio body.	150

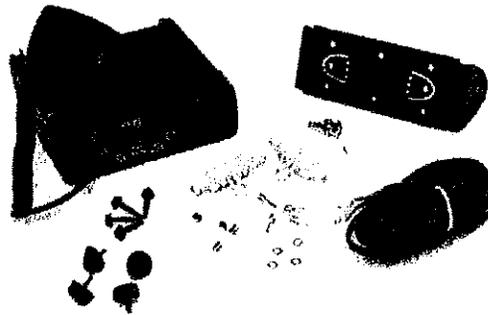
<b>Power Supplies</b>
-----------------------



Power Supply using TMAA03-06 with TM8115

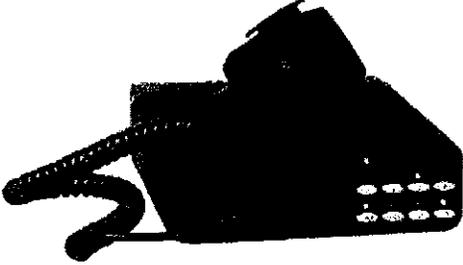
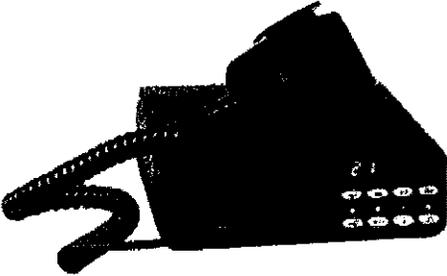
Product Code	Description	Detailed Description	US List Price
TMAA12-22	TM8000 Desktop Power Supply Unit (USA) for 25W mobiles	10A (DC) desktop PSU for 120V (AC) with North America power plug (no mounting supplied).	170
TMAA13-22	TM8000 Desktop Power Supply Unit (USA) for 50W mobiles	23A (DC) desktop PSU for 120V (AC) with North America power plug (no mounting supplied).	225
TMAA03-06	TM8100 U-Bracket Installation for Desktop PSU	U-bracket to attach radio to desktop PSU. Suitable for TM8100 radios only (requires a desktop PSU above).	45
TMAA03-09	TM8000 Plinth for Desktop Mounting for 25W mobile	Plinth to desktop mount 25W radio and provide connection to desktop PSU. (requires TMAA12-22).	30
TMAA03-12	TM8000 Plinth for Desktop Mounting for 50W mobile	Plinth to desktop mount 50W radio and provide connection to desktop PSU. (requires TMAA13-22).	38

## Vehicle Installation Kits



Accessories

Product Code	Description	Detailed Description	US List Price
TMAA03-01	TM8000 U-Cradle Installation Kit for 25W Radios	Includes: U-bracket, screws, power cable fuse, fuse holders, BNC connector	27
TMAA03-17	TM8000 U-Cradle Installation Kit for 40/50W Radios	Includes: U-bracket, screws, power cable fuse, fuse holders, mini-UHF connector	38
TMAA03-02	Security Bracket	Provides a secure and quick release installation with electrical isolation (requires cable installation to be ordered separately eg. TMAA03-11).	30
TMAA03-11	Cabling Kit for 25W Radios	Includes: power cable, fuses and BNC connector.	17
TMAA03-10	Cabling Kit for 40/50W Radios	Includes: power cable, fuses and mini UHF connector	25
TMAA03-14	U-Bracket	Includes U-bracket and screws.	10
TMAA03-16	TM8200 6-metre Remote Installation Kit	Includes TMAA03-03 Remote Head Rear Panel, TMAA04-01 Remote Head Cable, and TMAC34-0T Remote Installation Blank Head.	125
TMAA03-03	TM8200 Remote Head Rear Panel	Rear panel for TM8200 Control Head when it is remoted. Requires TMAC40-0T, TMAA04-01 (or similar) & TMAC34-0T	80
TMAA04-01	TM8250 Remote Head Cable	6m cable for TM8200. For use with TMAC34-0T & TMAA03-03	17
TMAA11-01	TM8000 Re-Installation Kit	Similar to the TMAA03-01 (x3). Includes microphone hanger plates but no U-bracket.	100

<b>T2010 Series II - 4 Channel Mobile</b> <b>806-941 MHz</b>	<b>T2015 Series II - 24 Channel Mobile</b> <b>806-941 MHz</b>
 <p><b>Features:</b></p> <ul style="list-style-type: none"> <li>• 4 Channel Capacity</li> <li>• Complete Band Switching</li> <li>• Switching per channel</li> <li>• LED Channel display</li> <li>• Internal Speaker</li> <li>• Certified to MIL-STD-810E.</li> <li>• CTCSS and DCS as standard</li> <li>• Busy Channel Lockout Option</li> <li>• Adjustable Output Power</li> <li>• Channel Scanning</li> <li>• Data capable</li> <li>• Economy Mode</li> <li>• Microphone</li> <li>• Windows Programming</li> </ul> <p><b>Options:</b></p> <ul style="list-style-type: none"> <li>• 5-Tone (Selective calling)</li> <li>• Voice inversion Scrambler</li> </ul>	 <p><b>Features:</b></p> <ul style="list-style-type: none"> <li>• 24 Channel Capacity</li> <li>• Complete Band Switching</li> <li>• User Programmable Memory Keys</li> <li>• Internal Speaker</li> <li>• Certified to MIL-STD-810E</li> <li>• CTCSS and DCS as standard</li> <li>• Busy Channel Lockout Option</li> <li>• Adjustable Output Power</li> <li>• Channel Scanning</li> <li>• Data Capable</li> <li>• Economy Mode</li> <li>• Microphone</li> <li>• Windows Programming</li> </ul> <p><b>Options:</b></p> <ul style="list-style-type: none"> <li>• 5-Tone (Selective calling)</li> <li>• Voice Inversion Scrambler</li> </ul>

<b>T2010 Series II – 4 Channel Mobile</b>			
<b>Frequency</b>	<b>Description</b>	<b>Product Code</b>	<b>US List Price</b>
806-870 MHz	25kHz 5-15W	T2010-815-J00	500
896-941 MHz	NB 5-15W	T2010-K27-J00	
<b>T2015 Series II – 24 Channel Mobile</b>			
806-870 MHz	25kHz 5-15W	T2015-815-J00	524
896-941 MHz	NB 5-15W	T2015-K27-J00	

- Not all combinations of radios and options may be possible, please check with your Tait Representative.

### T2020 Series II Mobile

**Features:**

- 100 or 1200 Channel Capacity
- Channel Scanning
- Complete Band Switching
- 2.5kHz channel increments at 150-174MHz
- Alphanumeric Labeling
- Channel Scanning and Voting
- Remote Speaker
- Repeater Talkaround
- Certified to MIL-STD-810E.
- CTCSS and DCS as standard
- Busy Channel Lockout Option
- Data Capable
- Economy Mode
- Adjustable Output Power
- Microphone

**Special Options:**

- 2-Tone Decode Signaling / Type-99
- G-star Encode
- 1200 Channels on selected models



Now also available on VHF 136-174MHz and 400-520MHz models only:

- Programmable Wide/Narrow Band Switching per channel
- Windows Programming

**Standard Options:**

- Remote Mounting
- DTMF
- 5-Tone (Selective calling) option
- Frequency Inversion Scrambler

<b>T2020 Series II Mobile</b>			
Frequency	Description	Product Code	US List Price
136-174MHz	12.5/25kHz 25W, 100 channels+G-star	T2020-343-T00	568
216-222MHz	12.5kHz 25W, 1200 channels	T2020-423-J00	570
400-470MHz	12.5/25kHz 25W, 100 channels+G-star	T2020-543-T00	586
450-520MHz	12.5/25kHz 25W, 100 channels+G-star	T2020-643-T00	
806-870MHz	12.5kHz 25W, 1200 channels	T2020-815-J00	642

- Not all combinations of radios and options may be possible, please check with your Tait Representative.

<b>T2000 Series II Options and Accessories</b>			
<b>Installation and Programming</b> 	T2000-01	Cradle and Installation Kit	61
	T2000-15	Power Lead	32
	T2000-A19	Programming Lead 9 pin	40
	950-00026-00	T2000 SII Program Kit - TCN-PGM2000-01 T2010/15/17/20/30/35/40/65 incl. T2000-A19	92
<b>Mics &amp; Speakers</b> 	T2000-02	Standard Microphone	42
	T2000-05	Remote Speaker	39
	T2000-10	Heavy Duty Microphone	46
	T2000-A06	Desktop Microphone	108
	T2000-A07	DTMF Microphone	118
<b>Options</b> 	T2000-40	T2000 Module DTMF Option	25
	T2000-A37	Selective Calling Kit (5-Tone) T2010/15/17/20	61
	T2000-A38	DSP Signaling Kit: G-Star and 2-Tone	73
	T2000-A50	T2000 Hands Free Kit	161
	T2000-A80	T2000 Line Interface	135
	T2000-021	T2000 Wide to Narrow Band Conv Kit VHF	23
	T2000-023	T2000 Wide to Narrow Band Conv Kit UHF	36
	T2004-A20	T2020 Primary Multi-Control Head (requires T95-042)	490
	T2004-A21	T2020 Secondary Multi-Control Head (requires T952-042)	360
	T2000-A75	FFSK data modem for T201x - 1200 or 2400 baud	152
	T2000-A76	GPS data modem for T201x	152
	T2000-A77	FFSK data modem for T2020 - 1200 or 2400 baud	162
	T2000-A78	GPS data modem for T2020	162
<b>Power Supplies</b>	T2009-22	Desktop Power Supply, 120V for T2000 series	228
	T952-042	Plug pack for Multi-Control Heads (1 per head)	10
<b>Service Manual</b>	M2000-00-301	T2000 Manual	73
<b>Remote Mounting Kit for the T2020 II</b>			
<b>Remote Mounting Kit</b>	T2000-A16	Remote mtg kit T2020/40, shielded cable 6M	57



## TM8255 – Trunked/Conventional Mobile Radio

The TM8255 is a high performance dual-mode mobile radio providing a comprehensive solution for trunked systems. As well as providing MPT1327 functionality, the radio offers full conventional functionality including 1500 channels and advanced signalling to provide a true multi-format mobile radio. The TM8255 control head features a 4 Line multi-character LCD display, offering a number of viewing options and the ability to display a high level of information.

**Standard package includes:**

- MPT1327/1343 Trunked / Conventional Radio, 26 Zones
- 1500 Channel / 300 Scanning and Voting Groups
- 12.5//20/25 kHz channel spacing
- Standard TMAA02-01 Microphone
- Standard Vehicle Installation Kit
- Windows-based Programming Application
- 14 Character Labelling
- Intuitive Menu-based Navigation
- Status Messaging
- Emergency Stun, Mode, and Revive
- Full Selcall Functionality
- DTMF Encode
- Programmable Function Keys
- MAP27 Interface \*
- Advanced Scan
- Call Queing and Call ID
- CTCSS on Traffic Channel
- TaitNet Regrouping

**Other features:**

- Robust RF Performance
- Rugged Construction – IP54, MIL-STD-810 C,D,E,F
- Advanced System Integration Capabilities

**Options:**

- 6m Remote Installation Kit
- Keypad Microphone
- Locking Security Cradle

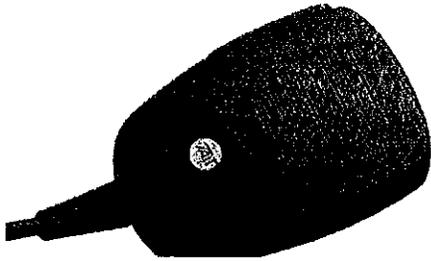
\* TBA

Frequency Band (MHz)	Power Level	Product Code	US List Price
136 – 174	10, 20, 25, 50W	TM8255H-B1A00	810
	1, 5, 10, 25W	TM8255-B1A00	725
216 – 266	1, 5, 10, 25W	TM8255-D1A00	725
400 – 470	10, 20, 30, 40W	TM8255H-H5A00	810
	1, 5, 10, 25W	TM8255-H5A00	725
450 – 520	10, 20, 30, 40W	TM8255-H7A00	810
450 – 530	1, 5, 10, 25W	TM8255-H6A00	725

Option	US List Price less
TM8250-xxA01 less microphone	51
TM8250-xxA02 less installation kit	27

- Not all combinations of radios and options may be possible, please check with your Tait Account Manager.
- For additional options, please refer to the TM8000 Mobile Accessories Section.

<b>Microphones and Speakers</b>
---------------------------------



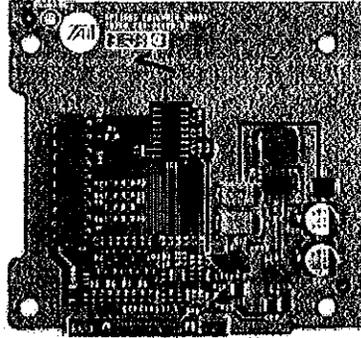
TM8000 Rugged Microphone



TM8200 Keypad Microphone

Product Code	Description	Detailed Description	US List Price
TMAA02-01	TM8000 Rugged Microphone	Meets MIL standard 810 and IP54.	<b>51</b>
TMAA02-08	TM8200 Rugged Keypad Microphone	Allows user to easily dial channels, and make Selcall and DTMF calls. IP54 rated.	<b>150</b>
TMAA10-01	TM8000 Desktop Microphone	Desktop microphone with monitor and PTT button. If extra audio amplification is needed then fit TMAA02-06. For TM811x only.	<b>165</b>
TMAA10-02	TM8000 Handset	Robust handset for private conversations. Requires TMAA02-06 if used with TM8100.	<b>365</b>
TMAA10-03	TM8000 Remote Speaker for 25W mobile	10 W remote mount speaker with 20W peak, size approximately 5 x 2.5 x 2.5 inches, 5m cable.	<b>61</b>
TMAA10-06	TM8000 Remote Speaker for 50W mobile	10 W remote mount speaker with 20W peak, size approximately 5 x 2.5 x 2.5 inches, 5m cable.	<b>61</b>
TMAA10-04	TM8000 Remote PTT Kit	Includes gear lever remote PTT and visor microphone.	<b>81</b>
TMAA10-05	TM8200 Handsfree Kit	Same as TMAA10-04 but without gear lever PTT. Intended for use with TM8200 VOX.	<b>35</b>

## Internal Options Boards



TM8000 Options Extender Board

Product Code	Description	Detailed Description	US List Price
TMAA01-01	TM8000 Line Interface Board	Provides a 600-ohm, 2 or 4 wire interface for remote control of the radio.	145
TMAA01-02	TM8000 RS232 Interface Board	Provides RS232 interface	78
TMAA01-05	TM8000 Options Extender Board	Connects internal options connector to DB15 high density. Provides RS232 conversion. Can be configured to provide 5 volt supply.	105

## 3DK Application Developer's Kit

Product Code	Description	Detailed Description	US List Price
TMAA30-01	TM8000 3DK Resource CD	Contains: 3DK Hardware Developer's Manual, CCDI Protocol Manual, Programming Software, Calibration Software, User's Guide, Operator's Manual, Accessories Manual, Service Manual, PCB Information Packs	90
TMAA30-00	TM8000 3DK Hardware Developer's Kit	Includes: TMAA30-01 3DK Resource CD, TMAA01-01 Line Interface Board, TMAA01-05 Options Extender Board, TMAA30-06 Internal Options Kit, and TMAA20-00 Programming Kit.	340
TMAA31-00	TM8000 Enhanced Developers kit	Contains: TMAA30-01 3DK Resource CD, TMAA30-06 Internal Options Kit and TMAA30-02	395
TMAA30-02	TM8000 Applications Target Board	Connects third party equipment to the TM8000 radio, via the external options connector, using a 15 way high density D-range socket.	120
TMAA30-03	RJ45 to DB15	For interfacing to RJ45 through the rear of the radio (via the aux connector) (not pre-wired, some assembly is required).	30
TMAA30-06	TM8000 Internal Options Kit	Contains: connectors, looms and screws. Used to interface to customer's own board.	40
TMAA30-07	Programming Lead	TM8000 3DK Development Board Serial Programming Lead	45
TMAA30-08	ICD2 Adaptor	TM8000 3DK Development Board ICD2 Adaptor Lead	18

<b>Programming and Service Kits</b>
-------------------------------------

<b>Product Code</b>	<b>Description</b>	<b>Detailed Description</b>	<b>US List Price</b>
TMAA20-00	Programming Kit	Includes: Product CD, Programming leads	<b>162</b>
TMAA20-01	TM8000 Product Support CD	Includes: Programming Software, User Guide, Operator's Manual, Accessories Manual, Service Manual	<b>27</b>
TMAA20-03	TM8000 Benchtop Power Lead	Used to power TM8000 series radios from a benchtop PSU with banana sockets. Leads are approximately 800mm in length. Not required for desktop use with a Tait PSU.	<b>35</b>
TMAA20-04	TM8000 Programming Adaptor Cable	Used for programming and calibration. Converts the control head's mic socket from 8-way RJ45 to 6-way RJ12. Allows re-use of the T2000-A19 (which is also used for the TOP and T2000). For TM8000 series radios, except TM8105.	<b>12</b>
T2000-A19	Programming Lead	Performs RS232 conversion between radio and PC.	<b>40</b>
TMAA21-00	TM8000 Service Kit	Includes Product CD, Service Manual, Programming & Calibration Leads and Radio test unit	<b>420</b>
TMAA21-01	TM8000 Cable	Used to connect the radio to TOPA-SV-024.	<b>20</b>
MMA-00001-01	Service and Accessories Manual	Hard copy of the Service Manual which includes both radio and accessory service manuals.	<b>90</b>
TOPA-SV-024	TOP & TM8000 Test Unit	Test unit for maintaining Tait Orca Portable radios and TM8000 mobile radios.	<b>139</b>

<b>Spares Kits</b>
--------------------

Product Code	Description	Detailed Description	US List Price
TMAA22-07	Radio body seals	Control head seal (x10).	<b>20</b>
TMAA22-08	Mechanical Spares for TMAC40-0T	Includes the complete TM8255 control head except the PCB and LCD.	<b>60</b>
TMAA22-09	Replacement Boards for TMAC40-0T	TM8200 alphanumeric control head replacement boards (x3).	<b>330</b>
TMAA22-22xx	Replacement Boards for TMAB22-xx00	TM8200 25W radio replacement boards. Where xx = frequency band eg. H5=400-470MHz.	<b>450</b>

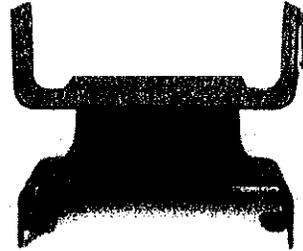
<b>Display Radios</b>
-----------------------

Product Code	Description	Detailed Description	US List Price
TMAA40-09	TM8200 Display Radio	Includes keypad microphone, installation kit, display control head and radio body.	<b>150</b>

<b>Power Supplies &amp; Mounting Options</b>
--

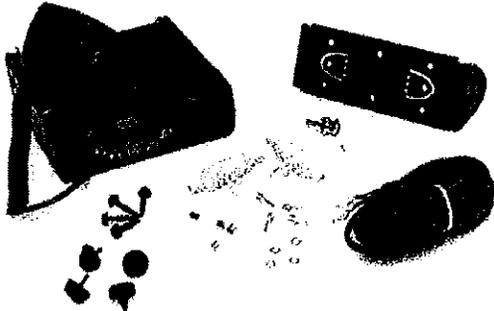


Power Supply using TMAA03-06 U-Cradle  
Installation with TM8115

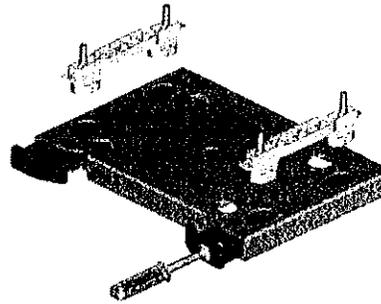


TMAA03-09 Plinth

Product Code	Description	Detailed Description	US List Price
TMAA13-22	TM8000 Desktop Power Supply Unit for 40/50W mobiles	23A (DC) desktop PSU for 120V (AC) with power cord (no mounting supplied).	<b>225</b>
TMAA12-22	TM8000 Desktop Power Supply Unit for 25W mobiles	10A (DC) desktop PSU for 120V (AC) with power cord (no mounting supplied).	<b>170</b>
TMAA03-13	TM8000 40/50W U-Cradle Installation for Desktop PSU	U-cradle to attach 40/50W radio to desktop PSU. Suitable for TM8100 radios only (requires a desktop PSU above).	<b>53</b>
TMAA03-06	TM8000 25W U-Cradle Installation for Desktop PSU	U-cradle to attach 25W radio to desktop PSU. Suitable for TM8100 radios only (requires a desktop PSU above).	<b>45</b>
TMAA03-12	TM8000 Plinth for Desktop Mounting for 40/50W mobile	Plinth to mount 40/50W radio and provide connection to desktop PSU. (requires TMAA13-22).	<b>38</b>
TMAA03-09	TM8000 Plinth for Desktop Mounting for 25W mobile	Plinth to mount 25W radio and provide connection to desktop PSU. (requires TMAA12-22).	<b>30</b>

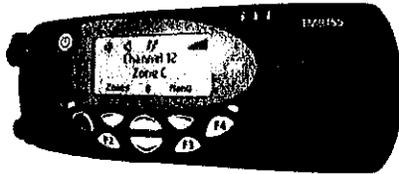
**Vehicle Installation Kits**


Radio with Install Kit and TMAA03-14 U-Cradle



TMAA03-02 Security Cradle

Product Code	Description	Detailed Description	US List Price
TMAA03-15	Mini UHF Install Kit for 25W Radio	Includes: power cable, fuses and Mini-UHF connector.	<b>25</b>
TMAA03-10	Mini-UHF Install Kit for 40/50W Radio	Includes: power cable, fuses and Mini-UHF connector	<b>25</b>
TMAA03-11	BNC Install Kit for 25W Radio	Includes: power cable, fuses and BNC connector.	<b>17</b>
TMAA03-20	Mini-UHF Install Kit for 40/50W Radio	Includes: power cable, fuses and Mini-UHF connector	<b>17</b>
TMAA03-14	U-Cradle	Includes U-cradle and screws (requires install kit)	<b>10</b>
TMAA03-02	Security Cradle	Provides a secure and quick release installation with electrical isolation (requires install kit)	<b>30</b>
TMAA03-16	TM8200 6-meter Remote Installation Kit	Includes TMAA03-03 Remote Head Rear Panel, TMAA04-01 Remote Head Cable, and TMAC34-0T Remote Installation Blank Head.	<b>125</b>
TMAA03-03	TM8200 Remote Head Rear Panel	Rear panel for TM8200 Control Head when it is remoted. Requires TMAC40-0T, TMAA04-01 (or similar) & TMAC34-0T	<b>80</b>
TMAA04-01	TM8250 Remote Head Cable	6m cable for TM8200. For use with TMAC34-0T & TMAA03-03	<b>17</b>
TMAA03-22	BNC U Cradle Install Kit for 40/50W Radio	Includes: power cable, fuses and BNC connector.	<b>35</b>
TMAA03-23	Mini-UHF Install Kit for 25W Radio	Includes: power cable, fuses and Mini-UHF connector	<b>27</b>

**TM9155 P25 Mobile Radio**

Designed with the functionality required for public safety and public service organizations, the TM9155 mobile offers state of the art radio design coupled with robust specs and excellent digital audio clarity.

The TM9155 meets full P25 compliance and is designed with a similar User Interface to the TP9155 and TP9160 portables, making training, and therefore interoperability, even easier with the full Tait range of P25 digital products.

**Standard Package Includes:**

- 512 Channel/Talkgroup Conventional Radio
- 12.5/25/30 kHz programmable channel spacing
- Large 28 Character Graphical Alphanumeric Display
- U-Cradle Vehicle Installation Kit (excluding antenna)
- Built-in Speaker
- Standard Microphone
- Full Project 25 Compliance
- DTMF Encoder
- Built-in CTCSS/DCS
- Multiple Scanning & Voting Formats Supported
- Digital, Analog and Mixed Mode Capable
- Emergency Mode
- Caller ID
- Radio Inhibit
- Status Messages
- Radio Check
- Repeater Talkaround / Direct Mode
- Windows-based Programming Application

**Optional Packages Include:**

- BNC or Mini-UHF Connector
- Security Cradle Vehicle Installation Kit
- Remote Head Installation Kit
- Full Keypad Microphone

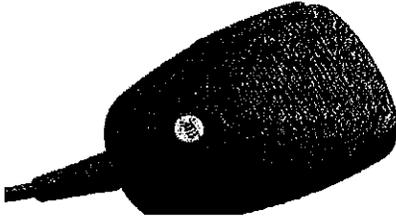
TM9155 40-50W Mobile Packages							
Frequency Band	Power Levels	RF Connector	Mic	Remote Head	Vehicle Install Kit	Product Code	US List Price
136-174 MHz	10, 15, 25, 50W	BNC	Standard	No	U-Cradle	TM9155H-B1A33	2,575
			Keypad	No	Security	TM9155H-B1A21	2,694
				Yes	Security	TM9155H-B1A22	2,819
		Mini-UHF	Standard	No	U-Cradle	TM9155H-B1A34	2,575
			Keypad	No	Security	TM9155H-B1A23	2,694
				Yes	Security	TM9155H-B1A24	2,819
400-470 MHz	10, 15, 25, 40W	BNC	Standard	No	U-Cradle	TM9155H-H5A33	2,575
			Keypad	No	Security	TM9155H-H5A21	2,694
				Yes	Security	TM9155H-H5A22	2,819
		Mini-UHF	Standard	No	U-Cradle	TM9155H-H5A34	2,575
			Keypad	No	Security	TM9155H-H5A23	2,694
				Yes	Security	TM9155H-H5A24	2,819
450-520 MHz	10, 15, 25, 40W	BNC	Standard	No	U-Cradle	TM9155H-H7A33	2,575
			Keypad	No	Security	TM9155H-H7A21	2,694
				Yes	Security	TM9155H-H7A22	2,819
		Mini-UHF	Standard	No	U-Cradle	TM9155H-H7A34	2,575
			Keypad	No	Security	TM9155H-H7A23	2,694
				Yes	Security	TM9155H-H7A24	2,819

TM9155 25W Mobile Packages							
Frequency Band	Power Levels	RF Connector	Microphone	Remote Head	Vehicle Install Kit	Product Code	US List Price
136-174 MHz	1, 5, 12, 25W	BNC	Standard	No	U-Cradle	TM9155-B1A33	2,175
			Keypad	No	Security	TM9155-B1A21	2,294
				Yes	Security	TM9155-B1A22	2,419
		Mini-UHF	Standard	No	U-Cradle	TM9155-B1A34	2,175
			Keypad	No	Security	TM9155-B1A23	2,294
				Yes	Security	TM9155-B1A24	2,419
400-470 MHz	1, 5, 12, 25W	BNC	Standard	No	U-Cradle	TM9155-H5A33	2,175
			Keypad	No	Security	TM9155-H5A21	2,294
				Yes	Security	TM9155-H5A22	2,419
		Mini-UHF	Standard	No	U-Cradle	TM9155-H5A34	2,175
			Keypad	No	Security	TM9155-H5A23	2,294
				Yes	Security	TM9155-H5A24	2,419
450-530 MHz	1, 5, 12, 25W	BNC	Standard	No	U-Cradle	TM9155-H6A33	2,175
			Keypad	No	Security	TM9155-H6A21	2,294
				Yes	Security	TM9155-H6A22	2,419
		Mini-UHF	Standard	No	U-Cradle	TM9155-H6A34	2,175
			Keypad	No	Security	TM9155-H6A23	2,294
				Yes	Security	TM9155-H6A24	2,419

<b>40/50W Mobile Radio Bodies</b>		
<b>Product Code</b>	<b>Description</b>	<b>US List Price</b>
TMAB34-B100B	TM9155 VHF 136-174 MHz 50W Radio Body, BNC connector, P25 CAI	<b>2,179</b>
TMAB34-B101B	TM9155 VHF 136-174 MHz 50W Radio Body, mini-UHF connector, P25 CAI	
TMAB34-H500B	TM9155 UHF 400-470 MHz 40W Radio Body, BNC connector, P25 CAI	
TMAB34-H501B	TM9155 UHF 400-470 MHz 40W Radio Body, mini-UHF connector, P25 CAI	
TMAB34-H700B	TM9155 UHF 450-520 MHz 40W Radio Body, BNC connector, P25 CAI	
TMAB34-H701B	TM9155 UHF 450-520 MHz 40W Radio Body, mini-UHF connector, P25 CAI	

<b>25W Mobile Radio Bodies</b>		
<b>Product Code</b>	<b>Description</b>	<b>US List Price</b>
TMAB32-B100B	TM9155 VHF 136-174 MHz 25W Radio Body, BNC connector, P25 CAI	<b>1,787</b>
TMAB32-B101B	TM9155 VHF 136-174 MHz 25W Radio Body, mini-UHF connector, P25 CAI	
TMAB32-H500B	TM9155 UHF 400-470 MHz 25W Radio Body, BNC connector, P25 CAI	
TMAB32-H501B	TM9155 UHF 400-470 MHz 25W Radio Body, mini-UHF connector, P25 CAI	
TMAB32-H600B	TM9155 UHF 450-530 MHz 25W Radio Body, BNC connector, P25 CAI	
TMAB32-H601B	TM9155 UHF 450-530 MHz 25W Radio Body, mini-UHF connector, P25 CAI	

<b>Control Heads</b>		
<b>Product Code</b>	<b>Description</b>	<b>US List Price</b>
TMAC41-1T	TM9155 Control Head with Covert Microphone	<b>300</b>

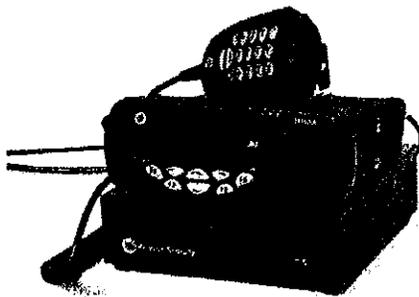
**TM9155 – Options and Accessories**
**Microphones and Speakers**


TMAA02-01 Rugged Microphone

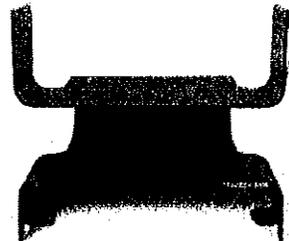


TMAA02-08 Keypad Microphone

Product Code	Description	US List Price
TMAA02-01	TM9155 Rugged Microphone (IP54, supplied as standard with TM9155)	51
TMAA02-08	TM9155 Rugged Microphone with Keypad	150
TMAA10-01	TM9155 Desktop Microphone	165
TMAA10-02	TM9155 Handset	365
TMAA10-04	TM9155 Remote PTT Kit (Visor electret mic and gear lever switch)	81
TMAA10-03	TM9155 External 10W speaker for 25W mobile radio	61
TMAA10-06	TM9155 External 10W speaker for 50W mobile radio	61

**Power Supplies and Desktop Mounting Options**


TMAA12-22 Power Supply



TMAA03-09 Plinth

Product Code	Description	US List Price
TMAA12-22	Desktop Power Supply Unit (US / Canada) for 25W mobile – includes cordset, box, label and user guide	170
TMAA13-22	Desktop Power Supply Unit (US / Canada) for 50W mobile – includes cordset, box, label and user guide	225
TMAA03-09	PSU Plinth mounting kit for 25W mobile radio desktop power supply	30
TMAA03-12	PSU Plinth mounting kit for 50W mobile radio desktop power supply	38

**TM9155 – Options and Accessories**
**Installation Kits and Cradles**

Product Code	Description	US List Price
TMAA03-20	Install Kit – cords & adapters for 40/50W mobile radio with BNC	25
TMAA03-11	Install Kit – cords & adapters for 25W mobile radio with BNC	17
TMAA03-10	Install Kit – cords & adapters for 40/50W mobile radio with mini-UHF	25
TMAA03-15	Install Kit – cords & adapters for 25W mobile radio with mini-UHF	17
TMAA03-14	TM9155 U-Cradle and screws (Requires install kit)	10
TMAA03-02	TM9155 Security Cradle (Requires install kit)	30
TMAA03-08	TM9155 Remote Kit with 6m cable	125

**Software Feature Enablers**

Product Code	Description	US List Price
TMAS050	P25 Common Air Interface (included in radio body and packages)	700
TMAS051	P25 'Dispatch' type Services <ul style="list-style-type: none"> <li>- Radio Check – transmits a Radio Check to another terminal</li> <li>- Radio Monitor – enables discreet listening of another terminal</li> <li>- Status Request – requests the status of another radio</li> <li>- Stun/Revive – can stun or revive another terminal</li> <li>- Acknowledge Group Addresses Services – in the absence of a dispatcher can acknowledge services e.g., emergency alerts, status calls</li> </ul>	300
TMAS053	DES Encryption (license per radio) – fixed key	Consult Tait

**Programming Kits**

Product Code	Description	US List Price
TMAA23-00	Programming Kit - TM9000 & TP9000. Includes programming software, cables and USB adapter	300
TMAA24-00	Service Kit – TM9100 & TP9100. Includes calibration and programming software, cables, interface unit, USB adapter and service documentation	500

**User Guides**

Product Code	Description	US List Price
MMA-00007-01	TM9155 User Guide	10

**TP9155 and TP9160 P25 Portable Radios****TP9155****TP9160**

Designed with the functionality required for public safety and public service organizations, the TP9155 and TP9160 portables offer state of the art radio design coupled with robust specs and excellent digital audio clarity.

Available in two models with a limited keypad on the TP9155 and a full alphanumeric keypad on the TP9160. Both models meet full P25 compliance and are designed with a similar User Interface to the TM9155 mobile radio, making training, and therefore interoperability, even easier with the full Tait range of P25 digital products.

**Features:**

- 512 Channel/Talkgroup Conventional Radio
- 12.5/25/30 kHz programmable channel spacing
- Limited Keypad and Full Alpha Keypad models available
- Full Project 25 Compliance
- Intelligent NiMH battery standard
- DTMF Encoder
- Built-in CTCSS/DCS
- Multiple Scanning & Voting Formats Supported
- Digital, Analog and Mixed Mode Capable
- Speaker Microphone accessory
- Lapel Microphone accessory
- Emergency Mode plus many personal safety features
- Caller ID
- Radio Inhibit
- Status Messages
- Radio Check
- Repeater Talkaround / Direct Mode
- Windows-based Programming Application

<b>TP9155 Limited Keypad P25 Conventional Radio Packages</b>			
Frequency	Product Code	Description	US List Price
136-174 MHz	TP9155-B1A06	Radio body, NiMH battery, beltclip, user guide, P25 CAI and 136-151MHz helical antenna	<b>2,000</b>
	TP9155-B1A07	Radio body, NiMH battery, beltclip, user guide, P25 CAI and 150-162 MHz helical antenna	
	TP9155-B1A08	Radio body, NiMH battery, beltclip, user guide, P25 CAI and 162-174 MHz helical antenna	
400-470 MHz	TP9155-H5A05	Radio body, NiMH battery, beltclip, user guide, P25 CAI and 400-470 MHz whip antenna	
450-520 MHz	TP9155-H6A05	Radio body, NiMH battery, beltclip, user guide, P25 CAI and 450-520 MHz whip antenna	

<b>TP9160 Full Keypad P25 Conventional Radio Packages</b>			
Frequency	Product Code	Description	US List Price
136-174 MHz	TP9160-B1A06	Radio body, NiMH battery, beltclip, user guide, P25 CAI and 136-151MHz helical antenna	<b>2,300</b>
	TP9160-B1A07	Radio body, NiMH battery, beltclip, user guide, P25 CAI and 150-162 MHz helical antenna	
	TP9160-B1A08	Radio body, NiMH battery, beltclip, user guide, P25 CAI and 162-174 MHz helical antenna	
400-470 MHz	TP9160-H5A05	Radio body, NiMH battery, beltclip, user guide, P25 CAI and 400-470 MHz whip antenna	
450-520 MHz	TP9160-H6A05	Radio body, NiMH battery, beltclip, user guide, P25 CAI and 450-520 MHz whip antenna	

<b>TP9155 Conventional Radio Bodies</b>		
Product Code	Description	US List Price
TPAB11-B100A	VHF 136-174 MHz Limited Keypad radio body with P25 CAI	<b>1,830</b>
TPAB11-H500A	UHF 400-470 MHz Limited Keypad radio body with P25 CAI	
TPAB11-H600A	UHF 450-520 MHz Limited Keypad radio body with P25 CAI	

<b>TP9160 Conventional Radio Bodies</b>		
Product Code	Description	US List Price
TPAB12-B100A	VHF 136-174 MHz Full Keypad radio body with P25 CAI	<b>2,130</b>
TPAB12-H500A	UHF 400-470 MHz Full Keypad radio body with P25 CAI	
TPAB12-H600A	UHF 450-520 MHz Full Keypad radio body with P25 CAI	

<b>TP9155 and TP9160 Software Options</b>		
Product Code	Description	US List Price
TPAS050	P25 Common Air Interface	<b>700</b>
TPAS051	P25 'Dispatch' type Services <ul style="list-style-type: none"> <li>- Radio Check – transmits a Radio Check to another terminal</li> <li>- Radio Monitor – enables discreet listening of another terminal</li> <li>- Status Request – requests the status of another radio</li> <li>- Stun/Revive – can stun or revive another terminal</li> <li>- Acknowledge Group Addresses Services – in the absence of a dispatcher can acknowledge services e.g., emergency alerts, status calls</li> </ul>	<b>200</b>
TPAS053	P25 Encryption Compatibility (fixed Key)	<b>Consult Tait</b>

**TP9155 and TP9160 Portable Accessories – Conventional**
**Batteries and Chargers**

Product Code	Description	US List Price
TPA-BA-201	Battery, NiCd	100
TPA-BA-203	Battery, NiMH	100
TPA-CH-001	Single Desktop Charger (requires power cord)	150
T952-340	IEC Power Cord – USA and Canada	10

**Antennas**

Product Code	Description	US List Price
TPA-AN-002	136-151MHz Helical Antenna	40
TPA-AN-003	150-162M Helical Antenna	
TPA-AN-004	162-174M Helical Antenna	
TPA-AN-011	400-470M Whip Antenna	
TPA-AN-012	450-520M Whip Antenna	
TPA-AN-013	400-450M Helical Antenna	
TPA-AN-014	435-480M Helical Antenna	
TPA-AN-015	470-520M Helical Antenna	

**Portable Carry Accessories**

Product Code	Description	US List Price
TPA-CA-201	Beltclip	20
TPA-CA-202	Fixed Leather Case	35
TPA-CA-203	D-Clip Leather Case	45

**Microphones and Audio Accessories**

Product Code	Description	US List Price
TPA-AA-203	Speaker Mic - "Evolution" standard microphone	138
TPA-AA-204	Speaker Mic - RF "Evolution" includes antenna	150
TPA-AA-205	Speaker Mic - "Genesis" meets IP68 specifications	160
TPA-AA-210	Accessory Adapter – Hirose 6-pin connector interface	25
TPA-AA-211	Headset - Light Duty	95
TPA-AA-212	Headset - Heavy Duty	300
TPA-AA-213	Lapel Mic Kit - 3-wire	120

**TP9155 and TP9160 Portable Accessories – Conventional**

<b>Programming Kits</b>		
<b>Product Code</b>	<b>Description</b>	<b>US List Price</b>
TMAA23-00	Programming Kit - TM9000 & TP9000. Includes programming software, cables and USB adapter	<b>300</b>
TMAA24-00	Service Kit – TM9100 & TP9100. Includes calibration and programming software, cables, interface unit, USB adapter and service documentation	<b>500</b>

<b>User Guides</b>		
<b>Product Code</b>	<b>Description</b>	<b>US List Price</b>
MPA-00001-01	TP9155 & TP9160 User Guide	<b>10</b>

<b>Approved 3rd Party Items</b>	
<i>The following accessories have been tested and approved for use with our products. Require a TPA-AA-210 adaptor</i>	
<b><a href="http://www.ottoeng.com/comm/index.htm">http://www.ottoeng.com/comm/index.htm</a></b>	
Single speaker Headset	V4-10190
Hurricane Headset	V4-HC2MD3B
Earphone: Beige	V1-10167
Earphone: Black	V1-10168
2-wire Palm Mic: Beige	V1-10165
2-wire Palm Mic: Black	V1-10166
3-wire Mini-lapel Mic Kit: Black	V1-10164
2-wire Earbud Kit	V1-10777

# TB9100 P25 Base Station/Repeater



TB9100 base station offers continuous duty cycle operation at full performance specifications within the complete temperature and altitude range.

With flexible, modular design, practical features and value for money that Tait is renowned for, the TB9100 raises the bar for APCO Project 25 (P25) base stations. It utilizes 28V FET technology for superior performance and reliability. The new TB9100 operates both as a repeater and/or a line-connected base station.

What's more, it's even easier to use. Flexible operating and programming software with an intuitive user interface is at the heart of the TB9100, making it very integrator friendly and easily expandable.

Its practical easy-to-use features coupled with impressive RF performance help make the TB9100 the best choice for your next generation P25 base station.

## **The TB9100 offers you the following features:**

- 255 Channels with up to 1 CTCSS or 1 DCS tone per channel
- Full Remote Control and Diagnostics
- Choice of external interface configurations
- Programmable Operation
- Software Enabled Feature upgrade options
- Choice of single 5W, 50W or 100W configurations.
- Seamless backup battery operation and charging with AC/DC supply

---

## Intelligent • Flexible • High Performance

### Digital Controller Design

Designed from the ground up, the TB9100 features a state-of-the-art RISC processor and Digital Signal Processor (DSP), providing very fast, reliable data processing through the latest in digital technology.

### 28V Technology

More powerful than most base stations in its class. Tait tests the TB9100 to transmit continuously at full power with ambient air temperatures as high as +60°C (140°F) at 4572m (15,000 feet).

### Advanced Programming Capabilities

The TB9100's intuitive yet comprehensive programming software with Graphical User Interface (GUI) lets you manage and program over 150 critical parameters, including all monitoring, configuration management and power management features.

### Convenient Modular Design

Designed for ease of hook-up and adaptation in the field, the TB9100 is configured with front-loading modules that can be mixed and matched to meet your system needs. Whether expanding from 50 to 100 Watts, or replacing the PA, the TB9100 gives you the flexibility to make changes in the field. A clean back-panel design hides the usual rear unit wiring clutter displaying only the connections required to link to your external radio system.

### Built-in Standard Interfaces

The TB9100 has built-in a variety of industry-standard interfaces to enable easy connectivity to the rest of your system. Whether adding a TB9100 to your network through its IP Ethernet, or attaching an analog base station or analog dispatch console through its 4-wire E&M audio line interface, you can connect to a TB9100 directly without additional hardware.

### Self-Monitor Capability

The TB9100 manages self-monitoring parameters in its non-volatile memory, requiring no external costly monitor units, saving money, time and hassles. The advanced monitoring system will read the base status, determine the appropriate required action, and perform that action while alerting central control.

### 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 intuitive interface of the TB9100 Customer Service Software (CSS) makes remote management of your system simple. The self-monitoring application has dial-out capability so you are immediately notified of potential issues. Over 150 system parameters can be configured or monitored remotely with the TB9100 Customer Service Software.

### Robust Specifications

Built to exceed standard specifications, the TB9100 is designed to withstand extreme temperature conditions. Engineered for maximum reliability, the TB9100 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 TB9100 base station was designed using the best RF practices. You can depend on the RF performance of this base station even in the most extreme temperature conditions.

**TB9100 Repeater / Base Station Prices**

The TB9100 Base Unit is shipped with the following modules included:

- Subrack Front Panel with dual fans
- Control Panel
- Power Management Module
- Power Amplifier
- P25 Single Reciter (Receiver/Exciter) with fitted Network Board
  - Requires P25 CAI for digital operation
- Safety and Compliance Booklet



Base Unit	VHF/UHF
Single 1-5w	13,165
Single 5-50w	13,530
Single 10-100w	14,190

**Notes:** Prices are for DC PMU systems only. Additional configuration costs may apply.

**For P25 Digital Operation**

*P25 operation requires that each base station system should enable the APCO Project 25 Common Air Interface license installed.*

*This software license key is a separate orderable item. One key is needed for each reciter.*

<b>Additional Options</b>	
<b>Power Management</b>	<b>Add</b>
12VDC, 24VDC or 48VDC Power Management Unit (standard configuration)	N/C
AC Power Management Unit (includes AC power cord)	210
AC plus 12/24/48VDC Power Management Unit (includes AC power cord)	810
<b>Software Feature Enhancements</b>	<b>Add</b>
P25 Common Air Interface - Enables P25 CAI	4,500
Analog Line SFE license - Enables P25 on analog line interface	90
Digital Line SFE license - Enables P25 VoIP networking	3,840
Networked User Data SFE license - Enables user packet data	TBD
MDC1200 Signaling SFE license - Enables support for MDC1200	250
<b>Other Options</b>	<b>Add</b>
Microphone	51
Desktop Microphone	165
Customer Service Software (CSS) Installation License	325

*For exact order details and order codes, please contact your Tait Representative.*

<b>TB9100 Single 5 Watt System</b>			
<b>Frequency</b>	<b>12VDC w/PMU</b>	<b>AC 110V</b>	<b>AC/12VDC</b>
136-156 MHz	S9BJ-A0B2-00P0-A0B0	S9B2-A0B2-00P0-A4B0	S9BE-A0B2-00P0-A4B0
148-174 MHz	S9BJ-A0B3-00P0-A0B0	S9B2-A0B3-00P0-A4B0	S9BE-A0B3-00P0-A4B0
400-440 MHz	S9BJ-A0H1-00P0-A0B0	S9B2-A0H1-00P0-A4B0	S9BE-A0H1-00P0-A4B0
440-480 MHz	S9BJ-A0H2-00P0-A0B0	S9B2-A0H2-00P0-A4B0	S9BE-A0H2-00P0-A4B0
470-520 MHz	S9BJ-A0H3-00P0-A0B0	S9B2-A0H3-00P0-A4B0	S9BE-A0H3-00P0-A4B0
<b>US List Price</b>	<b>13,165</b>	<b>13,375</b>	<b>13,975</b>

<b>TB9100 Single 50 Watt System</b>			
<b>Frequency</b>	<b>12VDC w/PMU</b>	<b>AC 110V</b>	<b>AC/12VDC</b>
136-156 MHz	S9BJ-E0B2-00P0-A0B0	S9B2-E0B2-00P0-A4B0	S9BE-E0B2-00P0-A4B0
148-174 MHz	S9BJ-E0B3-00P0-A0B0	S9B2-E0B3-00P0-A4B0	S9BE-E0B3-00P0-A4B0
400-440 MHz	S9BJ-E0H1-00P0-A0B0	S9B2-E0H1-00P0-A4B0	S9BE-E0H1-00P0-A4B0
440-480 MHz	S9BJ-E0H2-00P0-A0B0	S9B2-E0H2-00P0-A4B0	S9BE-E0H2-00P0-A4B0
470-520 MHz	S9BJ-E0H3-00P0-A0B0	S9B2-E0H3-00P0-A4B0	S9BE-E0H3-00P0-A4B0
<b>US List Price</b>	<b>13,530</b>	<b>13,740</b>	<b>14,340</b>

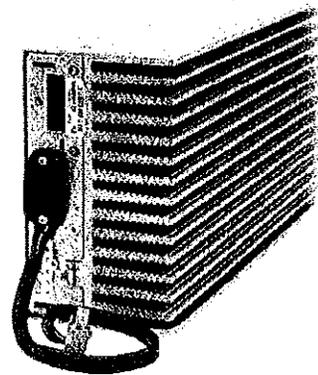
<b>TB9100 Single 100 Watt System</b>			
<b>Frequency</b>	<b>12VDC w/PMU</b>	<b>AC 110V</b>	<b>AC/12VDC</b>
136-156 MHz	S9BJ-J0B2-00P0-A0B0	S9B2-J0B2-00P0-A4B0	S9BE-J0B2-00P0-A4B0
148-174 MHz	S9BJ-J0B3-00P0-A0B0	S9B2-J0B3-00P0-A4B0	S9BE-J0B3-00P0-A4B0
400-440 MHz	S9BJ-J0H1-00P0-A0B0	S9B2-J0H1-00P0-A4B0	S9BE-J0H1-00P0-A4B0
440-480 MHz	S9BJ-J0H2-00P0-A0B0	S9B2-J0H2-00P0-A4B0	S9BE-J0H2-00P0-A4B0
470-520 MHz	S9BJ-J0H3-00P0-A0B0	S9B2-J0H3-00P0-A4B0	S9BE-J0H3-00P0-A4B0
<b>US List Price</b>	<b>14,190</b>	<b>14,400</b>	<b>15,000</b>

*Additional configuration costs may apply.*

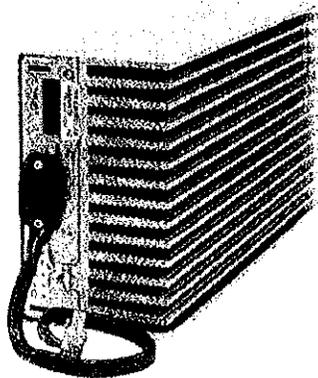
**Power Amplifiers**

- Built-in Alarm monitoring, and diagnostics.
- Remotely configurable and programmable.
- 100% duty cycle @ 140°F (60°C) 15,000 ft (4500 m).
- 2.5 millisecond keyup time.
- Programmable output power from 1 to 5W in 1W steps.
- A single power amplifier can be fitted into each TB9100 subrack.

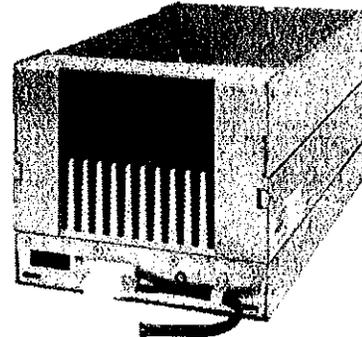
**1-5W Power Amplifier**



**5-50W Power Amplifier**



**10-100W Power Amplifier**



Product Code	Description	US List Price
TBA70B1-0000	136-174MHz, 5 watt PA	1,015
TBA70H0-0000	400-520MHz, 5 watt PA	1,015
TBA80B1-0000	136-174MHz, 50 watt PA	1,380
TBA80H0-0000	400-520MHz, 50 watt PA	1,380
TBA90B1-0000	136-174MHz, 100 watt PA	2,040
TBA90H0-0000	400-520MHz, 100 watt PA	2,040

## Power Management Modules

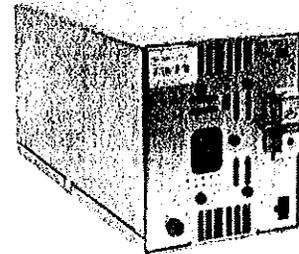
### Description:

#### Single DC Power Supply

A very high efficiency supply designed to run from a nominal 12, 24 or 48 VDC supply. This unit has the same output current capability as the AC Power Supply. The input supply can be negatively or positively earthed. The unit has built in alarms and diagnostics and is remotely controllable and programmable.

#### Single AC Power Supply

Mains operated power supply. 88 to 264V input with power factor correction. Sufficient output power is provided to drive 1 x 100W transmitter or 2 x 50W transmitters. The unit has built in alarms and diagnostics and is remotely controllable and programmable.



#### Dual (AC + DC) Power Supply

A power supply combining both AC and DC supplies. Switching from AC to DC is seamless and automatic. This option is required if the TB9100 is mains operated but is required to be powered by a backup DC supply. The DC input supply can be negatively or positively earthed. The unit has built in alarms and diagnostics and is remotely controllable and programmable.

### Standard Features

#### Standby Power Supply, (10W)

The standby supply allows for low current consumption operation. The standby supply is used to run the Reciter alone so that the main 500 W DC supply can be switched off altogether for extended quiet periods. This unit can only be fitted to DC Supply or the AC/DC Supply.

#### Auxiliary Power Supply / Battery Float Charger (40W output)

The base station itself does not use the output of the Auxiliary Power Supply. This supply is designed to float charge external backup batteries or to supply power to other equipment. The output is floating so it may be negatively or positively earthed.

The auxiliary power supply can be configured to be on all of the time (to supply external equipment) or to be on only while mains is available (e.g. as a float charger for the battery). This module is a beneficial configuration to use with the AC/DC Power Supply. Options are available for 13.65, 27.6, or 48 VDC outputs.

## Single Power Supplies

Product Code	Input Options				OUTPUT SUPPLY OPTIONS			
	AC (88-264V)	12VDC (10-16V)	24VDC (20-33V)	48VDC (40-60V)	12V Aux (40W)	24V Aux (40W)	48V Aux (40W)	Standby (10W)
TBA3001-1100		•			•			•
TBA3001-1200		•				•		•
TBA3001-1400		•					•	•
TBA3002-2100			•		•			•
TBA3002-2200			•			•		•
TBA3002-2400			•				•	•
TBA3004-4100				•	•			•
TBA3004-4200				•		•		•
TBA3004-4400				•			•	•
<b>US List Price 1,000</b>								

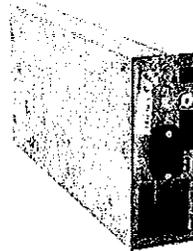
TBA30A0-0100	•				•			
TBA30A0-0200	•					•		
TBA30A0-0400	•						•	
<b>US List Price 1,200</b>								

## AC/DC Power Supplies

Product Code	Input Options				OUTPUT SUPPLY OPTIONS			
	AC (88-264V)	12VDC (10-16V)	24VDC (20-33V)	48VDC (40-60V)	12V Aux (40W)	24V Aux (40W)	48V Aux (40W)	Standby (10W)
TBA30A1-1100	•	•			•			•
TBA30A1-1200	•	•				•		•
TBA30A1-1400	•	•					•	•
TBA30A2-2100	•		•		•			•
TBA30A2-2200	•		•			•		•
TBA30A2-2400	•		•				•	•
TBA30A4-4100	•			•	•			•
TBA30A4-4200	•			•		•		•
TBA30A4-4400	•			•			•	•
<b>US List Price 1,800</b>								

## Reciters (Receiver / Exciter)

Reciters are available in the following bands: 136 to 156MHz, 148 to 174MHz, 400 to 440MHz, 440 to 480MHz, and 470 to 520MHz.



A Reciter includes a Receiver, Transmitter, Exciter, DSP and Risk Processor, Low Power RF, and audio stages to give stable performance for the life of the product. The RISC processor controls the Task Manager, alarms system, fault monitoring, diagnostics, remote connectivity, and channel behavior.

The unit includes as standard an internally fitted Network Board, allowing the TB9100 to operate as a P25 repeater or to be connected to Tait APCO Project 25 network.

The unit is shipped with the default analog radio software license already installed.

Other software licenses may be installed including:

- P25 Common Air Interface**
- Analog Line Interface**
- Digital Line Interface**
- Networked User Data**
- MDC1200 Signaling**



The basic configuration of the TB9100 includes one Reciter.

Product Code	Description	US List Price
TBA40XX-YYYY	P25 Reciter with Network Board included	<b>9,900</b>
Where XX is:  B2=136-156MHz B3=148-174MHz H1=400-440MHz H2=440-480MHz H3=480-520MHz	Where YYYY is the Reciter with the following Network Board:  PA00 = TaitNet P25 Isolated Audio E/M	



**Subracks**



Subrack includes Auxiliary Power Cable and Control Panel.

To house the modules, you must include the following subrack:

<b>Description</b>	<b>5/50W</b>	<b>100W</b>	<b>US List Price</b>
Single Repeater Systems	TBA2325-A000	TBA2327-A000	1,250

## Software Enabled Features

Feature Code	Feature Sp.	Status	Seq	Feature Licent
TBAS000	Support analog voice operation (1)	Enabled	1	H041R2EG.H
TBAS050	Support P25 digital voice (1)	Enabled	1	Q7JR.Y6GB.V
TBAS051	Allow an analog dispatcher connection (3)	Enabled	1	NVJZ.624G.N
TBAS052	Allow digital line connection (only affects voice)	Enabled	1	BMJC.TJRY.S
TBAS053	Network support for user data comms (2)	Enabled	1	WT85.A5AK.S
TBAS054	Support MDC1200 signaling on the analog interface	Enabled	1	DP7D.U43K.F

The TB9100 Software Feature Enabler is a software licensing system that is used to enable advanced features of the base station. Licenses are applied on a per-feature and per-reciter basis.

Product Code	Description	US List Price
TBAS050	P25 Common Air Interface - enables P25 CAI	<b>4,500</b>
TBAS051	Analog Line - enables P25 on analog line interface	<b>90</b>
TBAS052	Digital Line - enables P25 VoIP networking	<b>3,840</b>
TBAS053	Networked User Data	<b>TBD</b>
TBAS054	MDC1200 Signaling	<b>250</b>

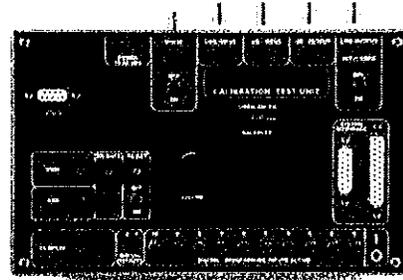
## Service Accessories

### Calibration Test Unit

The TB9100 Calibration Test Unit is required when using the Service Kit to access the reciter when it is not in the subrack.

It is required for system re-tuning and extremely useful for system test and runup, especially when commissioning new configurations, and running radio diagnostics.

The Calibration Test Unit comes complete with the necessary cables.

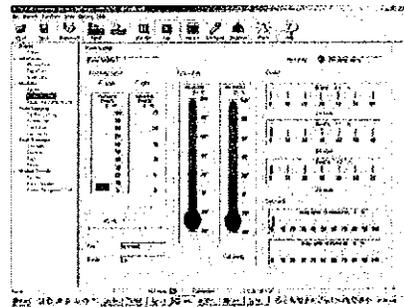


### Customer Service Software (CSS) installation license

The Customer Service Software is a software application that runs on a PC or laptop under Windows 2000 or XP.

It is required to configure, monitor, diagnose, or upgrade a TB9100 through a local or remote connection.

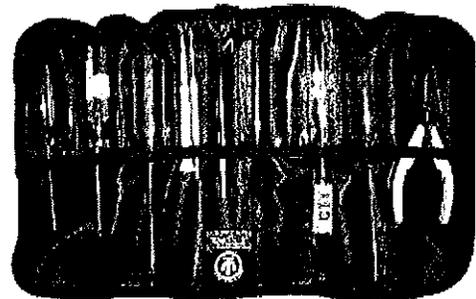
The CSS can be installed from the TB9100 Product CD, but requires a Customer Service Software (CSS) installation license.



### Tool Kit

Includes:

- Control Panel Board Remover
- Torx-Driver T8
- Torx-Driver T10
- Torx-Driver T20
- Screwdriver PZD-2
- Screwdriver Medium Flat Blade
- Tuning Tool Cer 2.2mm
- Tuning Tool 5CCE
- Socket Head M3 nuts
- Tool bag



Part Number	Description	US List Price
TBA0STP	TB9100 Calibration Test Unit	585
TBACD001	Customer Service Software (CSS) installation license	325
TBA0ST2	Tool Kit	160

## Microphones

Required for test transmissions, the microphone plugs into the User Interface. The microphone can be configured to transmit over the air or as line audio.



Part Number	Description	US List Price
TMAA02-01	Microphone	51
TMAA10-01	Desktop Microphone	165

## Power Cordset

Standard AC power cord for Base Station.

Part Number	Description	US List Price
T952-340	IEC Cord set (USA/Canada)	10