



1

- IP backbone
- Analog and digital operation
- Simplex/duplex
- Supports analog and digital consoles
- DFSI support
- End-to-end encryption
- Uplink and downlink voting
- Distributed, centralized or switched voting
- Self-calibration (simulcast)
- Tait Simulcast Modulation
- Advanced remote monitoring and diagnostics
- Analog line interface
- MDC1200 support
- Multiple linking options including RF
- OTAR
- Packet data support

TAITNET P25 CONVENTIONAL SYSTEM FEATURES



2

- Group Calls
- Individual Calls
- ANI
- Emergency ANI
- Call Alert
- Radio Check
- Emergency Alarm
- Radio Enable/Disable
- Remote Monitor
- Status Update/Request
- Call addressing
- Additional Services
- Cancel P25 Unit Call (dispatcher interrupt)

TAITNET P25 CONVENTIONAL SUBSCRIBER FEATURES



3

- Smaller, cheaper and simpler
- Fastest key-up time for radios
- Dual mode enables easy migration from analog.
- Lower power consumption than trunking
 - No control channel to support
 - Makes P25 Conventional suitable for remote solar sites or portable battery-powered repeaters.

But:

P25 Conventional systems require careful planning and are less flexible than trunking systems.

- Need to decide for each site which user groups will be provisioned with a channel. As user group needs change, channels and the radios that use them need re-configuring.

P25 CONVENTIONAL: BENEFITS AND LIMITATIONS



4

- Infrastructure Equipment
- Subscriber Units - Portable and Mobile Radios
- Console Integration

A COMPLETE RANGE OF P25 CONVENTIONAL SOLUTIONS



5

- All Frequency Bands
 - VHF/UHF/800/900Mhz
 - 2x50W or 1x100W configurations
- Software only seamless migration:
 - Analog Conventional,
 - Analog Simulcast (AS-IP)
 - DMR Tier 2 and 3 Multicast
 - DMR Tier 2 and 3 Simulcast
 - P25 Ph1 C4FM
 - P25 Ph2 HDQPSK & LSM
- Built in Voter for Simulcast
- IT Ready – Remote Mgmt, Monitoring, Web interface, in-build diagnostics
- Security: Authentication (LDAP, Radius), TLS/SSL Certificates



TB9400 Multimode

TAIT P25– REPEATER/BASE



6

- Compact 19", 1U form factor - significantly smaller and lighter than the TB9400
- Triple fans allow operation up to +140 °F (+60 °C) ambient temperature at 100% transmit duty cycle.
- Front panel indicators for power, alarms, receive and transmit



Tait Multi-mode Base Stations – TB7300



7

Voice over IP (VoIP) Technology

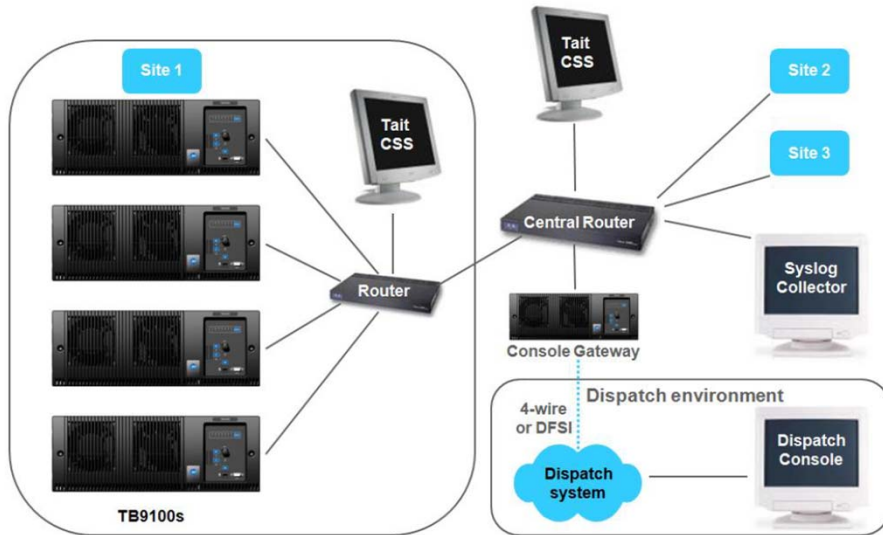
- Connect TB9400s together at a site using standard switch
- Connect sites using standard routers (can use microwave links)
- Linking budget: To support up to four P25 voice streams across two sites requires a connection with a minimum capacity of 64 kbps. This is the lowest capacity link that is supported.



P25 Network: IP Linking



8

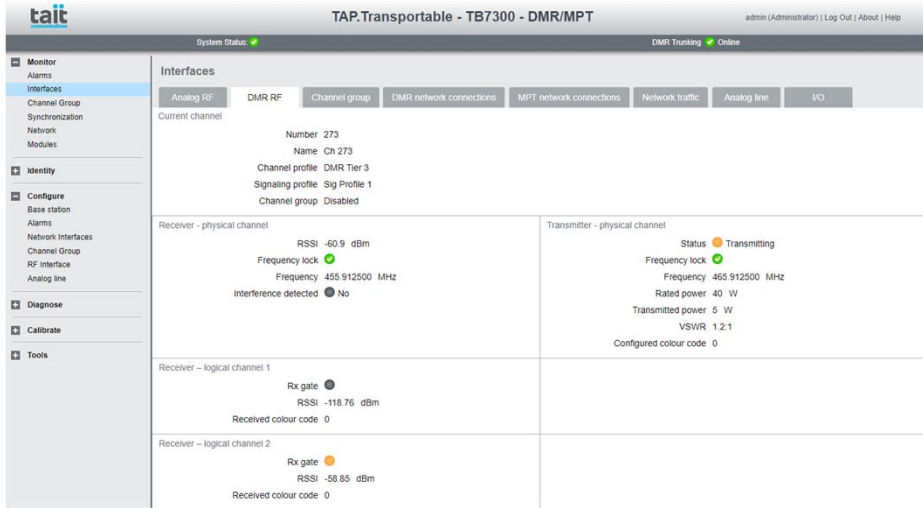


P25 Network: TaitNet



9

Browser-based web interface Comprehensive Online Help



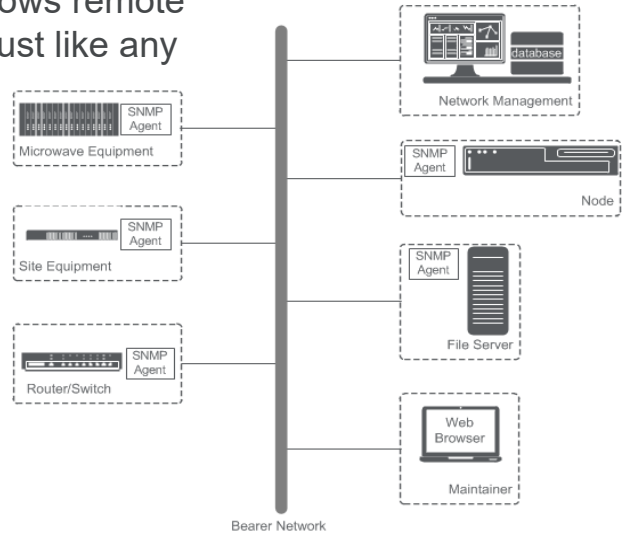
Configuration And Monitoring



10

- MIB in the TB7300 and TB9400 allows remote monitoring using SNMP manager just like any other networked device
- Supports SNMP Version 2c & 3
- Traps can be sent for all major & minor alarms

Alarms	
Control	Severity
Custom alarms	SNMP
Parameters	
Contact	Unknown
Location	Unknown
Version	
SNMP	Version 3
Security	None
Community string	Version 2c
User	admin
Trap recipients	
IP address 1	172.30.75.162
IP address 2	0.0.0.0
IP address 3	0.0.0.0
Port 162	Port 162
Port 162	Port 162



MONITORING WITH SNMP MANAGER



11



TAIT P25 FAMILY PORTRAIT



12



TAIT TOUGH

The Toughest Radios in the Industry

Ingress Protection (IP):

- IP68: Standard TP9000 radios are dustproof and can be immersed in water:
 - At a depth of 2 meters for thirty minutes
 - At a depth of 1 meter for two hours
- IP67: TP9361 & TP9461 Intrinsically Safe radios are dustproof and can be immersed in water at a depth of 1 meter for thirty minutes
- IP65: All TP9000 radios are tested against water jets, 12.5L per min, 30kPa from 3 meters for at least three minutes

Military Standard MIL-STD-810G

- Low pressure
- Low and high temperatures, temperature shock
- Solar radiation
- Rain
- Humidity
- Salt fog
- Dust
- Vibration
- Shock

TP9000 SERIES PORTABLE RADIOS



13

- Standard TP9000 portables share the same battery and charging options
- Mix and match single charger, multi-chargers and vehicle chargers across the TP9000 series
- Note: only approved Intrinsically Safe accessories can be used with TP9361 and TP9461



Single Desktop Charger
A variety of plug packs are also available
T03-00012-AAAA



Radio Charger
T03-00014-BAAA



Battery Only
T03-00014-AAAA

PORTABLE BATTERY & CHARGING OPTIONS



14

- Standard TP9000 portables share the same audio connector
- Note: only approved Intrinsically Safe accessories can be used with TP9361 and TP9461



TP9000 AUDIO ACCESSORIES



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TM9400: overview



TM9400



16

TM9400: detailed capabilities

- **Designed for demanding environments**

- Designed with users to ensure effective every-day operation
- IP54 rated: protected against dust and splashing water
- Exceeds MIL-STD-810F
- Large 4-line LCD with icons to display key parameters
- Configurable: dual head, hand-held, remote mount (6m and 12m options)
- 4 programmable function keys in the standard mobile head



TM9400

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communications

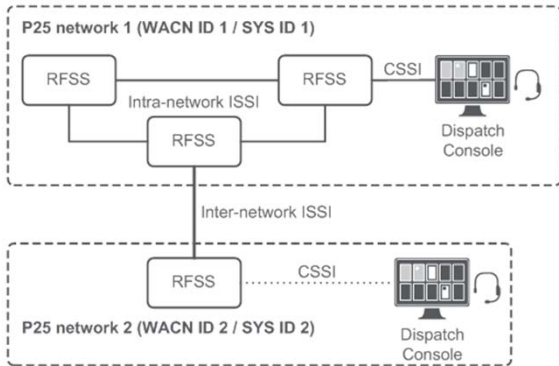
17



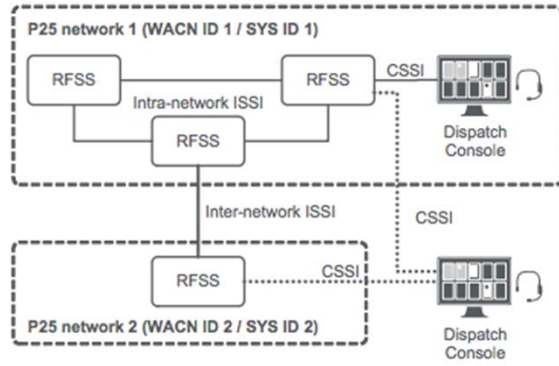
TAIT PARTNER PROGRAM KEEPS EXPANDING

tait
communications

18



Common connection scenario



*Alternative connection scenario,
can help with system migrations*

ISSI AND CSSI OPTIONS



19

RediTALK-Flex

- Standalone Dispatch Software
- Perfect for small to medium sized organizations



20

RediTALK-Flex Features (Standard & Optional)

- Maximum Number of Channels / Talk-Paths 20 for USA
- Maximum Number of Consoles in One System 12
- Supported Radio Technologies Analog, P25, DMR, NXDN,, MotoTRBO™ NEXEDGE™, IDAS™, Tetra
- IP Protocols RTP (unicast, multicast), SIP, STUN
- Digital Radio Functions Full support for most protocols | Individual call, group call, all call, emergency call, text messages, talk group change, channel change, call alert, radio check/monitor/stun
- GPS Essentials Open StreetMap, online / cache, people & asset tracking incl radio location, status & ID
- Audio Processing Select and monitor audio streams with independent volume control
- Analog Signaling Two-tone paging , EIA tone remote, MDC-1200, DTMF, Selcall
- Voice Recording 60 days, radio and telephone | Call history shows recordings | Transmit recorded voice messages
- Radio Linking / Patching 2 independent link groups
- Paging Manual dial, all-call page, instant call, stack paging, talk-time feature, alert tones
- Aux I/O Internet of Things (IoT) Up to 4x4 digital I/O modules supported
- Additional Channels / Talk-Paths Up to 10 channels (up to 18 for USA) in groups of 2
- SIP Telephone 1 line, make and answer calls, patch call to a radio
- Geofencing & Historical Playback Geofences, events, event log, playback of selected user movements, 60 days of recordings

