TN**9300-2**

SPECIFICATIONS

Tough and resilient DMR Tier 2 conventional node for mission-critical networks.

The Tait TN9300-2 is at the heart of Tait Digital Mobile Radio (DMR) Tier 2 conventional single or multiple site networks.

This reliable node consolidates the control, monitoring and programming of Tier 2 networks as well as providing multiple interfaces for external applications.

KEY FEATURES

- Tough design and build with no moving parts, and sealed to limit dust ingress and protection in salt fog environments
- Resilient and reliable with a 100% processing load in a 65°C ambient environment
- Low power consumption
- Software support for single or multisite services
- Multiple interfaces – AIS, SIP, RIP, API

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FEATURES AND BENEFITS

Tough, Rugged Enclosure

- Solid machined block
- Fan less cooling
- Solid construction

Reliability and Resilience

- No moving parts
- Solid state drive
- 100% processing even at 65°C ambient temperatures

Environmental protection

- Sealed from dust
- Protected from salt fog atmospheres
- Suitable for hostile environments
- Wide power range

Low power consumption

- Energy efficient design
- Idle power demand 11W
- Battery backed solution option

Interfaces

- Ethernet
- USB (3)
- HDMI for future display options

Single site / single repeater control

- Provides AIS interface to console
- Recorder interface
- Restful applications interface
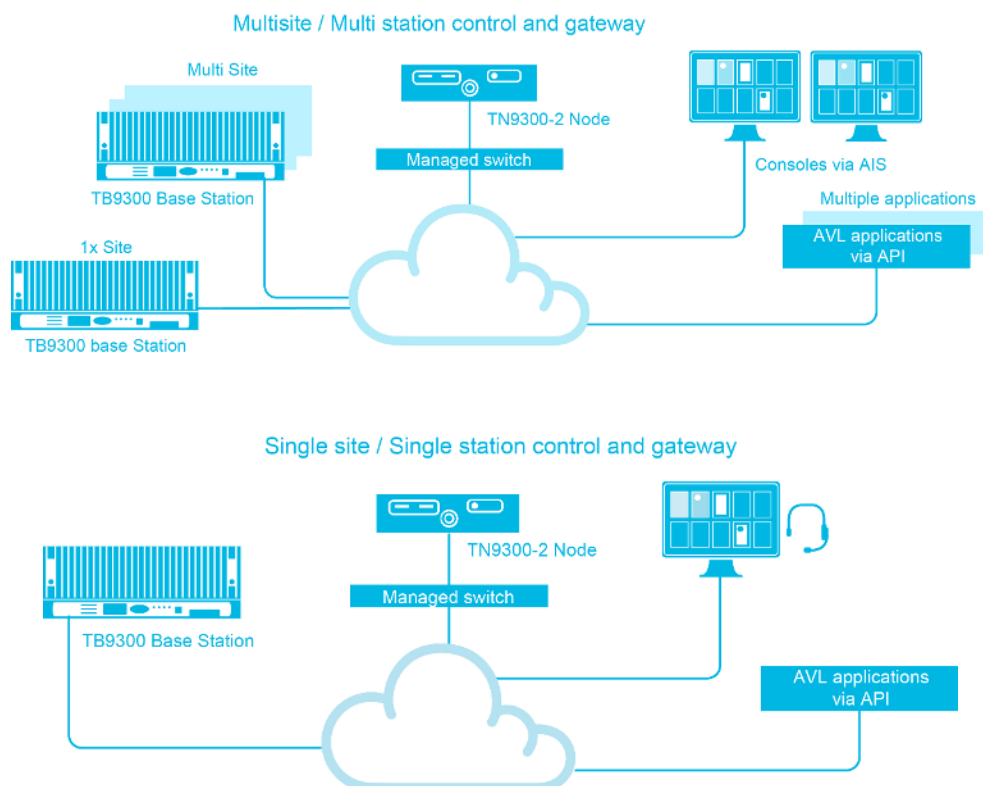- Console pre-emption
- Emergency support

Multisite / multi repeater control

- Provides AIS interface to console(s)
- Recorder interface(s)
- Applications interface(s)
- Consolidation of monitoring and reprogramming
- Console pre-emption
- Emergency support

Partner support

- Omnitronics Console over AIS
- AVL on Omnitronics over monitoring API
- Eventide voice recorder
- NextLog

* Not all features are supported in all modes of operation. Feature comparison tables are available in the full product catalog.

Multisite / Multi station control and gateway

Single site / Single station control and gateway

Note: The TN9300-2 node is not required if RF dispatch radio operation is the only control required with a TB9300 DMR Tier 2 base station.

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GENERAL TN9300-2 HARDWARE SPECIFICATIONS	
Supported servers	Aleutia R50, Dell R230, Kontron CG2300

CONNECTIVITY DETAILS	
WAN speed to requirement per slot, voice and data	32Kbps
WAN jitter	Less than 20mS
WAN Latency (maximum acceptable)	100mS
WAN bandwidth for reprogramming, monitoring, etc	100Kbps
Multisite Capacity	20 Sites extensively tested (require capacity for more contact Tait)
Maximum channel capacity	Up to 40 RF physical channels (80 logical)

INTERFACE CAPABILITY	
Console connectivity	AIS(DMRA standard)
Recorder interface	VR (Voice Recorder)
Location services application	Tait Monitoring API

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* Tait cannot guarantee full performance to the published specifications when the radio is operating at frequencies outside the specified range.

For further information please check with your nearest Tait office or authorized dealer.

Tait International Limited facilities are certified for ISO 9001:2015 (Quality Management System), ISO 14001:2015 (Environmental Management System) and BS OHSAS 18001:2007 (Occupational Health and Safety Management System) for aspects associated with the design, manufacture and distribution of radio communications and control equipment, systems and services. In addition, all our Regional Head Offices are certified to ISO 9001.

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