

## TaitNet TN1100 Network Tier

### Introduction

Recently enhanced with a raft of new features, the TaitNet TN1100 system is an affordable, single-site MPT 1327 trunking system.

The TN1100 provides the user with most of the benefits of the MPT1327 open standard protocol.

The heart of the TN1100 system is the T1810, a compact 1U high MPT 1327 controller which can easily fit into a 19" rack, and connected to Tait or 3<sup>rd</sup> Party RF base stations.

### Features:

- 1-8 Channels (Single Site)
- PSTN / PABX option (1-7 ports)
- Lone Worker Monitoring
- Remote Configuration
- Data Capability
- Programmable Call Timers
- Call Queuing
- 49 Quick-dial PSTN numbers
- TN1100 is an independent system that supports all frequency bands and RF power levels

### Call Types:

- Voice – Individual or Group
- Radio to Radio
- Radio to Telephone
- Telephone to Radio
- Call Priorities, including pre-emptive emergency
- ALLI (one-way call, interrupting all established calls)
- All User (two-way call with all users)
- Short Form Dialling
- Status Messages
- Short Data Messages
- Non-prescribed Data

### Lone Worker

A clever Lone Worker facility is one of a range of new enhancements Tait has added to the TaitNet TN1100.

Lone Worker is useful for staff working alone in hazardous environments. While most Lone Worker features are activated by the user's radio, the TN1100 facility is managed by the infrastructure. This means that if the radio is damaged in a fall or submerged in water, the Lone Worker feature will continue to operate.

The TN1100 maintains a timer for each protected radio. At predetermined times the radio is alerted, and the user must respond within a given time to advise the system of their wellbeing. If they don't, the radio will ring continuously. If they still fail to respond, an alarm is activated and other users are notified.

### Other New Features

Other new user and system management features added to the TN1100 include ALLI calls (a Broadcast call to all users that interrupts all established calls); all user calls (a two-way call involving all users), the remote configuration of the system by telephone, and queuing for busy groups (a person calling a busy group is either entered into the group call or queued until the conversation is finished).



TN1100 System

## TN1100 System Components

### MPT 1327 Channel Controller

These modules are suitable for connection to Tait TB8000 and T800 base stations, or your own conventional repeater equipment<sup>1</sup>, to provide MPT 1327 functionality. A maximum of 8 units can be connected together, four per 1U rack, to provide trunked channel access.

<u>Description</u>	<u>Module</u>
MPT 1327 Channel Module (1 required per repeater)	T1810-01
1U Rack Unit (bin) to hold up to 4 channel modules	T1810-04
Line Module for connecting to PSTN or PABX interface	T1810-03



**T1810-01 Channel Module**



**T1810-04 1U Rack Unit**

## Upgrade to TN2100

If you need more than 8 channels, and/or you require a facility for call management, call statistics and billing, you will need the TN2100 system (which also supports up to 24 channels at the single site).

<sup>1</sup>Special conditions apply

### Your Distributor/Dealer:

 Communication  
Specialists Limited



**Communication Specialists Ltd.  
Unit 20, Murrell Green Business Park,  
Hook, Hampshire.  
RG27 9GR  
United Kingdom**

**Tel. +44(0)1256766600  
Fax. +44(0)1256766500**

**E: [info@comm-spec.co.uk](mailto:info@comm-spec.co.uk)  
[www.comm-spec.com](http://www.comm-spec.com)**