

# MPT 1327 Trunking

The core of the Xfin system is the Xfin Blade unit. Each single channel Blade unit is a replicable system component which when connected together enables the construction of single or a multi-site Xfin Systems, dependant upon the software option selected. Xfin IP Soft Switch connectivity between Xfin Blades enables up to 32 channel units at a single site and up to 300 networked sites.

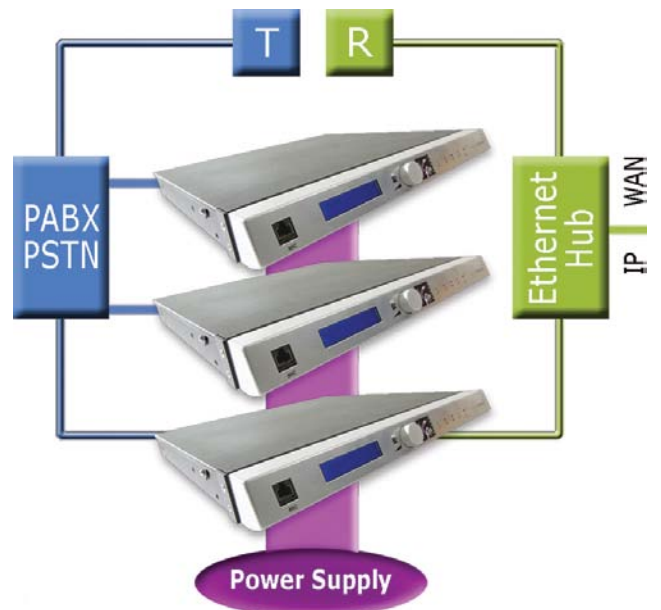


## IP Soft Switching

Xfin IP soft switching leverages IP Multicast technology which enables network traffic to be delivered to multiple recipients without adding any additional burden to the network. It is this capability that enables the broadcast functionality common in radio communication such as Group Calling to be readily handled within the IP environment.

## System Management

A power Windows XP programming package enables remote system configuration and diagnostics, call logging management reporting. Auto-population database and high speed configuration downloads over Ethernet enable highly effective and rapid management either on or off-line while diagnostics and reporting data can be exported to reporting tools.



## Features

• MPT1327 standard with terminal inter-operability.	• 1 to 32 channels
• Dedicated & non-dedicated control channel.	• 9000 Subscribers
• Lone worker (without the PC Dispatcher).	• 1000 Groups
• Subscriber management (registration, access levels, white list, unit barring, ESN check).	• 70 fleets
• Voice calls (group, broadcast, emergency & priority)	• Call queuing, pre-emption & diversion.
• Channel pooling	• Data (status, short & non-prescribed).
	• Telephone interconnect for every channel.

## Base Station

• Fully integrated	• 12.5 & 25kHz channel spacing
• 1W to 100W, 100% duty cycle	• 66MHz to 503MHz
Frequency response	+1dB to -3dB pre-emph 300-3000Hz (25kHz), 300-2500Hz (12.5kHz)
Stability	± 2.0ppm
Intermodulation	>40dB Tx                      >70dB Rx
Hum & noise	<40dB (12.5kHz)              >45dB (25kHz)
Tx rise time	<25m
Sensitivity	≥12dB SINAD for 0.3pvpd (12.5kHz)
Audio response	± 3dB de-emph 300-2550Hz (12.5kHz with CTCSS)
Distortion	<5%
Blocking	>95dB at ± MHz

## General

<b>Software Options</b>	Single site or multisite options
<b>Modulation</b>	Freq. F3E (voice pre-emphasized/flat, or FFSK data (1200 or 2400bps)
<b>Frequency Bands</b>	E0:66-88MHz              AC:136-174              MHz K1:174-208MHz KM:208-245MHz              R0:310-350              MHz R1:335-375MHz TK:400-450MHz              TU:400-480              MHz UW:440-500MHz WR:470-530MHz
<b>Temperature</b>	-25° C to + 55° Operating (Full Spec) -40° C to 80° C Storage
<b>Antenna Connect</b>	2 x 50 female N-type
<b>Environment</b>	IP20 ingress protection, Humidity <95% non-condensing
<b>Inputs/Outputs</b>	Serial interface with 1 x audio connection (RJ45-front panel)
<b>Type Approval</b>	CE Type approvals to R&TTE Directive 1999/05/EC: EN300-086 Radio, EN300-113 Data, EN301-489-05 EMC, EN300-219 Signal, EN60950 Safety, TBR15, 17 and 21 Line
<b>Dimensions</b>	44mm(1U) High x 437mm Wide x 450mm Deep (Excluding cables and ears)
<b>(In Wall Mount)</b>	25mm High x 465mm Wide x 470mm Deep
<b>Weight</b>	6.95 kg

