SIMOCO

Xfin

Integrated Xfin IP MPT technology is radically different from traditional component based systems dramatically reducing capital and operational costs throughout the product lifecycle.

Cost Comparison Check List

- Basestation cost - Removed
- Trunked controller cost - Removed
- Switch cost - Removed
- Teleconnect cost - Removed
- Equipment integration cost - Removed

- Engineering cost - Reduced
- Installation cost - Reduced
- Cost of spares - Reduced
- Maintenance cost - Reduced
- Bearer backbone costs – Reduced

If you still find that Xfin Integrated IP MPT1327 solutions don't stack up then give us a call. We'll be delighted to hear from you because – let's be honest there is always an exception that proves the rule.

Xfin technology represents a fundamental shift in PMR design from hardware to software IP solutions

BASESTATION · CONTROLLER · IP SOFTSWITCH

In a Single 1U Product

For additional information on this and other products visit our website:
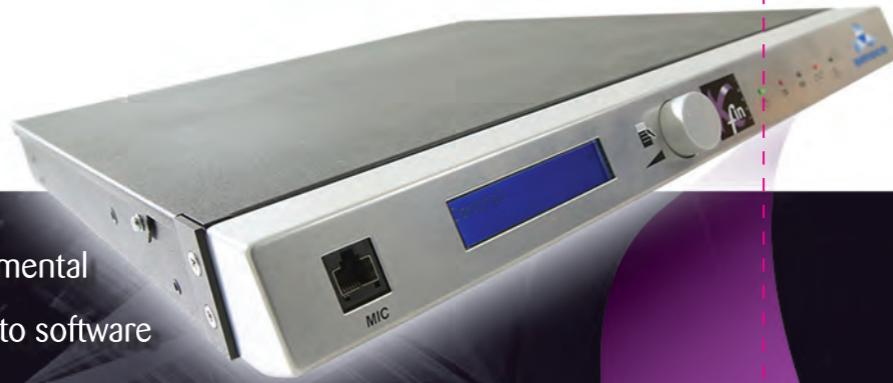
www.simoco.com.au

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![Simoco logo]

Xfin technology represents a fundamental shift in PMR design from hardware to software solutions. Traditional trunked radio systems rely on separate hardware components: basestations, trunk controllers, switches and telephone interfaces. Xfin takes a radically different approach, combining basestation RF components with IP soft switching to enable an integrated trunked radio solution within a single 1U wall or rack mounted Xfin Blade unit.

Xfin Integrated 1U Technology

The Xfin software enabled control board manages MPT 1327 functions whilst twin RF engines drive air side radio performance.

- Basestation
- Controller
- IP Softswitch
- Teleconnect

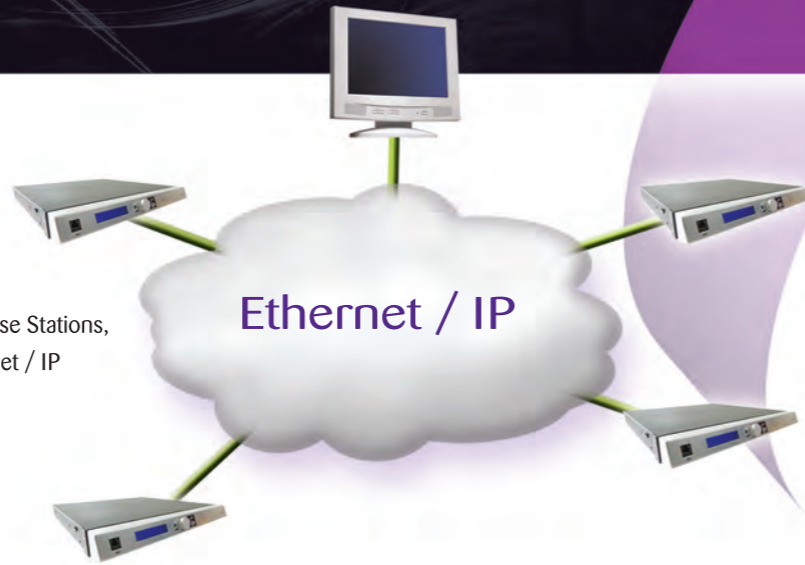in a single 1U product.

Xfin IP Soft Dispatcher

Flexibility extends to the software controlled Xfin IP Soft Dispatcher with feature rich GUI loaded on a standard LAN connected PCs. The colour coded, dynamic call stack gives prioritised indication of incoming traffic whilst distributed databases enable mutli position working.
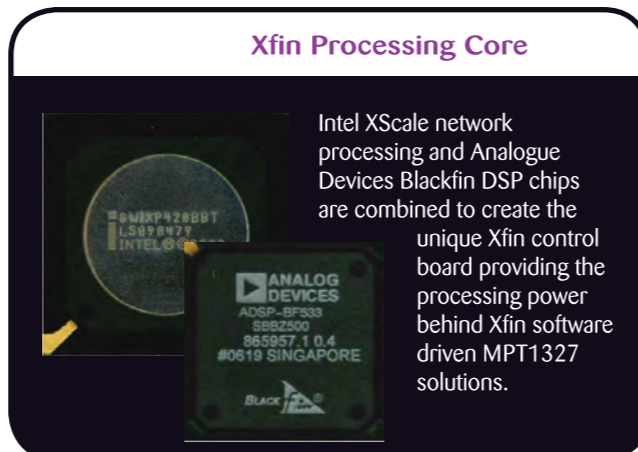
Flexible Options

Each Xfin Blade with 25W, 50W* or 100W power output contains all the required hardware for single site or multi site software variants, creating a complete range of MPT1327, soft switch enabled Base Stations, expandable through straightforward Ethernet / IP connection at one or many sites.

Ethernet / IP
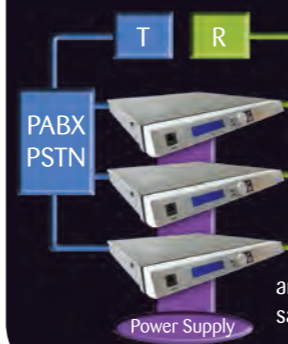
IP Connectivity & Resilience

With the exception of the analogue air interface, Xfin is fully digital and IP, utilising VoIP to carry voice traffic. Each Xfin Blade is an IP device; networking by the same IP rules as standard IT equipment; each Xfin voice or data call just additional IP data stream in the same format as, say, your company email. So now for the first time PMR can be integrated into a single corporate IP network utilising cost effective IP connectivity options such as WIMAX and ADSL, dramatically reducing inter-site networking costs whilst providing inherent, distributive, network resilience.

Xfin Inherent Resilience

T R

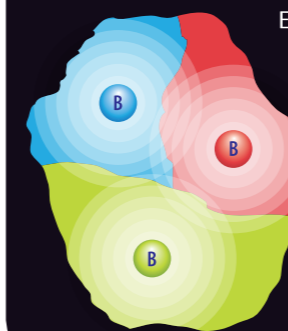PABX PSTN

Ethernet Hub

IP / WAN

Power Supply

Each 'site group' of Blades communicate automatically; establishing a 'Master Blade' that manages site trunk control and switching functions. Any Master Blade failure is instantly resolved by passing master control to another Blade, providing inherent fail safe resilience.

Xfin Processing Core

Intel XScale network processing and Analogue Devices Blackfin DSP chips are combined to create the unique Xfin control board providing the processing power behind Xfin software driven MPT1327 solutions.

Channel Pooling

Enables frequencies to be duplicated at adjacent sites increasing channel availability in the 'combined' area in cases of high call density and limited available licensed frequencies. Xfin allows only one concurrent call on each frequency preventing interference & maximising resourse availability.

Engineering procedure revolutionised

Deployment, integration and maintenance costs are slashed by five factors

- Integrated basestation and soft switch functionality eliminate the cost and complication of integrating component hardware.
- Plug and play technology reduces Blade deployment to a simple software wizard.
- Remote Maintenance enables constant system monitoring and fault isolation
- 'Hot Swap' Blade replacement enables one step fast fault resolution
- Spares holding reduced to redundant Blade Units

Futureproof

Most industry players have diverted investment away from MPT in favour of Tetra and P25 leaving many MPT solutions five or ten years behind equivalent digital functionality. Whilst competitors terminated their MPT developments Team Simoco raised standards to new levels by creating Xfin digital IP based solutions. Quite simply Xfin is the only MPT1327 technology designed for the IP application networking challenges of the next decade and beyond.