

ELETTASUITE ADAPTANET® IP

The ElettraSuite Adaptanet® IP represents Selex ES latest TETRA solution designed to cover a wide range of system dimensions ranging from single site systems to regional and national networks for mission and business critical applications.

Full IP connectivity and the ability to use existing LAN infrastructures as backbone support integration with existing systems, enabling customers to benefit from further cost savings. Thanks to the separation between control plane and user plane, ElettraSuite Adaptanet® IP allows the deployment of switchless networks and supports customers in their choice between network architectures with distributed or centralised call control capabilities.

Distributed network architectures can be realised simply through the use of ElettraSuite BS Node C equipment in peer-to-peer configuration, whereas whenever network requires centralized call control capabilities, the TIN (TETRA IP Node) is used as a controller in a multi-layer architecture, supporting a multi-level fault-tolerance, thanks to redundancy, resilience and disaster recovery features.

The interconnection of several TIN platforms assures system expandability.

ElettraSuite Adaptanet® IP provides end-users with high performance and secure encrypted communications, providing essential core services for voice and data calls as well as a comprehensive range of supplementary and enhanced services.

Supporting TEDS as wideband data transfer facility, ElettraSuite Adaptanet® IP represents a future-proof solution, safeguarding investments and guaranteeing continuous product innovation.

The Home Location Register is stored within the Service Management Node (SMN). System management is via the Selex ES x50 Network Management System (NMS), a scalable and cost-effective management solution able to provide both local and remote monitoring.

Powerful, flexible and scalable TETRA solution

ElettraSuite Adaptanet® IP can offer IP based dispatching solutions, both as stand-alone workstation and in client-server configuration for Control Rooms. However ElettraSuite Adaptanet® IP is also an open platform providing Application Programming Interface (APIs) through a dedicated server (CRIS) for integration with third party applications at a network level (e.g. for CAD services).

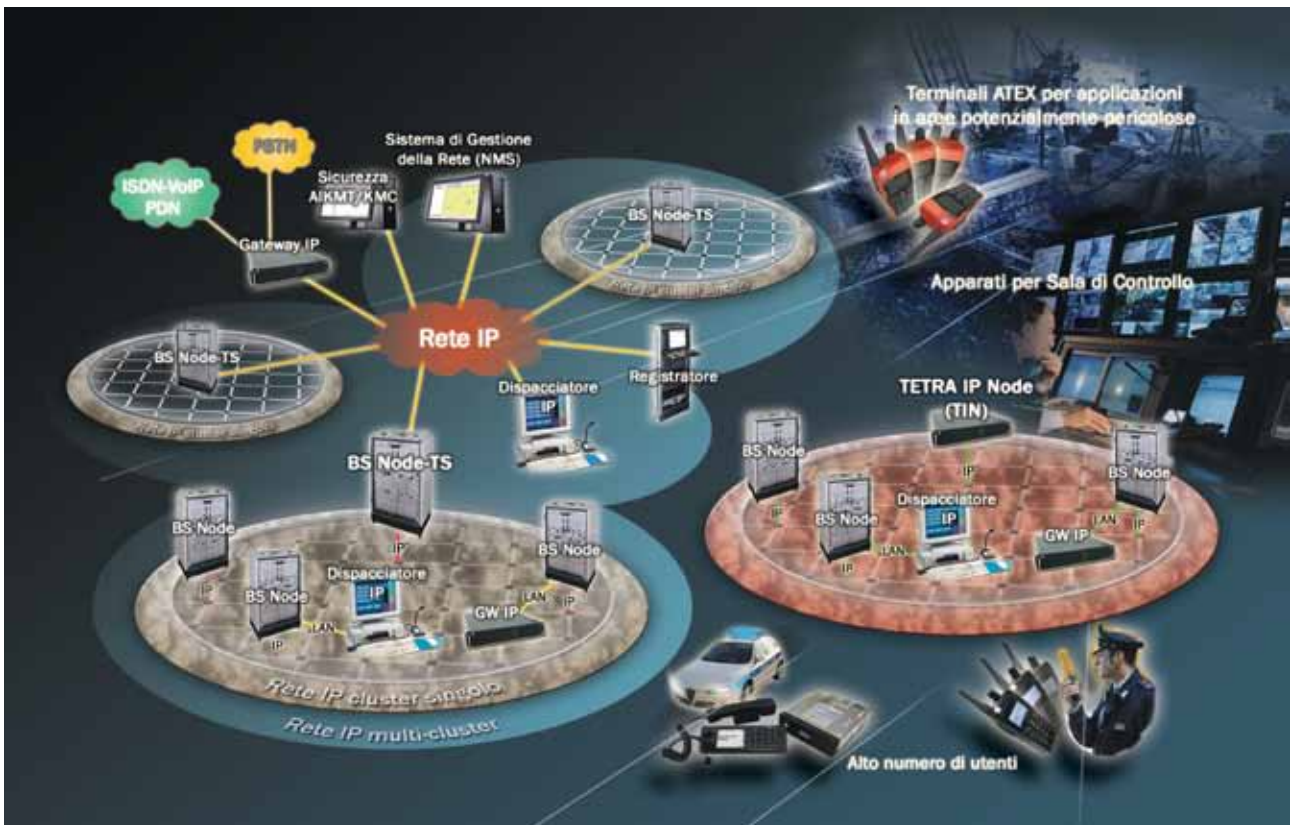
Connection to external PABX/PSTN telephony networks or different PMR systems (e.g. conventional or P25) can be realised through dedicated gateways providing ISDN PRI, VoIP (SIP, IAX, H.3223) and analogue 4WE&M (with DC5) interfaces.

ElettraSuite Adaptanet® IP also include a state-of-the-art voice recording solution, specifically designed for TETRA, capable of storing more than 100.000 hours of TETRA encoded speech, in a highly secure redoundable server. Finally interoperable authentication and encryption key management solutions complete ElettraSuite Adaptanet® IP offer in terms of security material handling, storage and distribution.



KEY FEATURES

- Full IP backbone connectivity
- Call Control distributed or centralised network topology
- Multi-level fault tolerance and disaster recovery
- Air Interface and End-to-End Encryption support
- Future proof with TEDS (TETRA Enhanced Data Service) capability for wideband data transmission



For more information please email infomarketing@selex-es.com

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SSD MM08085 4-14