

Telephony over Fiber for General Hospitals of Kilkis & Naousa



The system used:

General Hospital of Kilkis

- 1 × Communication platform: Coral FlexiCom 5000 (Tadiran)
- 1 x Communication Platform: Coral IPx500 (Tadiran)
- 2 x Optical Converters : Optimux 4E1 (Rad)

General Hospital of Naousa's

- 1 x Communication Platform: Coral FlexiCom 400 (Tadiran)
- 1 x Communication Platform: Coral IPx500 (Tadiran)
- 2 x Optical Converters : Optimux 4E1 (Rad)

Info about Optical converter:

Ортімих 💙

The equipment which was used in order to establish a common telephone network through a pair of optical fibers is the RAD's Optimux 4E1 system.

The Optimix 4E1 converter is a member of the Optimux family. Such systems in pointto-point configuration allow the interconnection of two (2) remote PBXs through four (4) E1/PRI links over distances of up to 120 km, ensuring conversation quality, large amount of simultaneous communications channels, and high level of capabilities to endusers which is obtained through the consolidation of the PBXs. Moreover Optimux family includes various converter models that exploit dark fiber links in order to interconnect and transport different interfaces, protocols and general data & voice links.







Network diagram:

The following diagram represents the implementation of voice network through optical fiber link, between the central building and the remote building.





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