

# MAINFRAME

## EK-MFR/2



The Mainframe is a flexible and modular platform which allows the use of different kind of boards inserted in inside it.

All the boards fitted inside the device are automatically identified by the operative system which fits the functions to the keyboard and to the visual information made reliable on the colour display placed on the front panel of the equipment.

The program of the function of each board can be done, either pressing on the keyboard or from remote control, thanks to an interface Ethernet 10/100 bT which allows a remote configuration also through the web.

Two other serial interfaces RS232 and six relay contacts complete the reliable interfaces. The power supply section can receive either alternate or continue tension (even if they are simultaneously) furthermore it can be removed completely from its location, together with the switch on, to permit easy maintenance.

The two cooling fans located in the power supply section varies their speed proportionally to the temperature of the modules/boards present in the device allowing an adequate cooling of the system. Finally the colour display makes reliable each function and parameter regarding any information about each board fitted inside the Mainframe.

### Features

- Embedded Linux OS
- Complete modular system
- RTC for temporal reference
- Internal memory to store eventual alarms
- 6 slots to install any boards
- Colour front panel control
- Complete web Management

### Applications

- Head End Systems:  
Mux/Demux/Remux, SFN Adapter, Network Adapter
- Digital Microwave Links:  
Out Door, In Door, Mobile version from 2÷23 GHz
- Backbone Systems
- DTV Transmitters
- HD/SD Single or Multiple Encoder / Decoder
- Modem  
QPSK/QAM/COFDM



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