



# M-ARM



## Mikado Radio / IP Interface unit

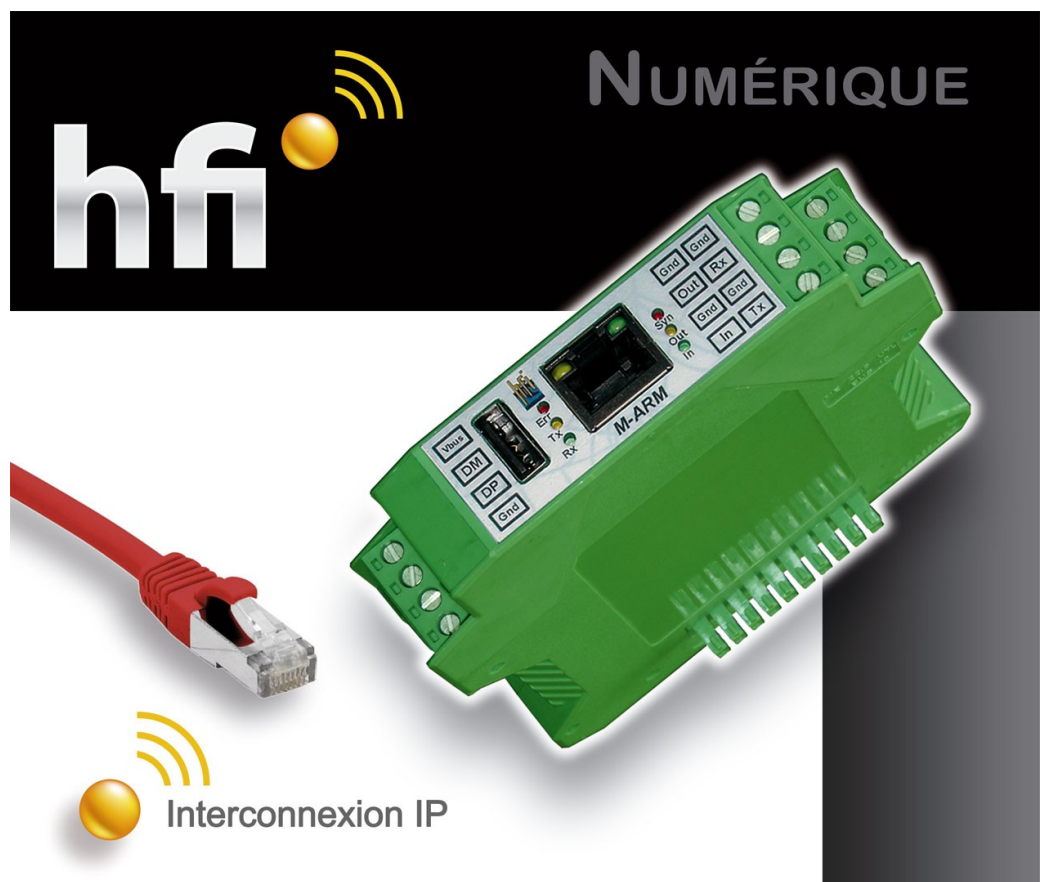


The **M-Arm** is a new module added to the Mikado products range. This unit is designed with latest generation electronic components in order to be really versatile, and to be easily updated to comply with any new market requirement.

The power of its processor and great connectivity allow a wide range of applications.

The Freescale i.MX25 processor is at the heart of the **M-Arm** module (400 MHz, ARM9). Thanks to its extensive feature set, the **M-Arm** allow a wide range of new applications, and adds new capabilities to present HFI systems:

- Interoperability with Building Management Systems and Intercom Servers.
- RoIP (Radio over IP) interconnect of PMR radio networks
- Remote access for firmware update, configuration and maintenance
- USB support for update, configuration, and connection to DMR mobile<sup>1</sup>



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Note : 1) Under development — Q4-2011



# PMR-PBX



## PMR Radio / Telephone Interface Unit

### System On Module

- Processor i.mx25, 400 MHz ARM9
- RAM 64 MB SDRAM
- ROM 128MB NAND Flash
- Power supply Single 12V

### Key Features - Hardware

- HFI Standard backplane interface
- 10/100Mbps Ethernet
- High-Speed USB 2.0 OTG
- Full-Speed USB 2.0 Host
- Several peripheral interfaces: UART, SD-CARD, Digital Audio, Configurable serial peripheral interface

### Key Features - Software

- Embedded OS Linux 2.6
- RTP support - up to 8 simultaneous channels
- Codecs : G.711 G.722 G.726 ...
- Tone encoder/decoder : DTMF, ZVEI, ...



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