

Mikado LT

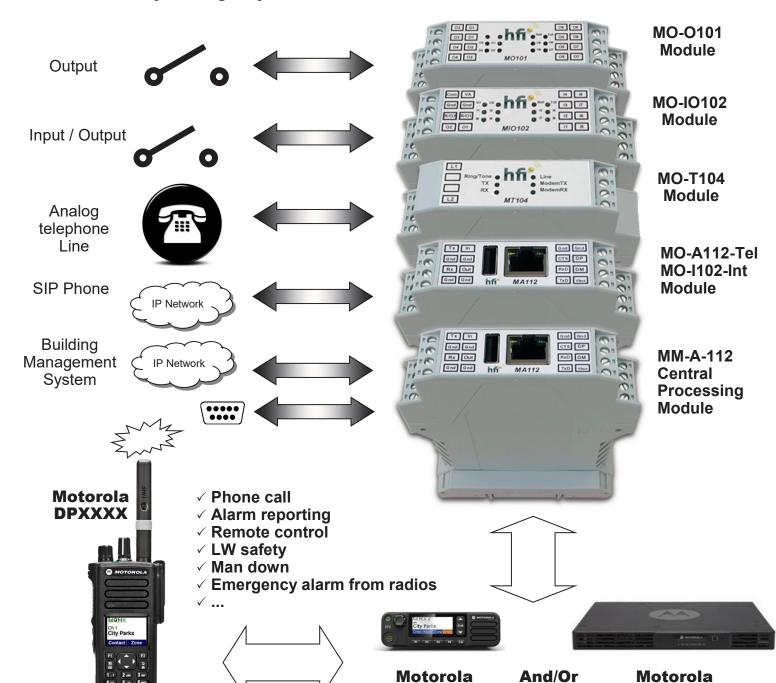
Fully modular interface system with MOTOTRBO Radio

Build yourself the system you need for your Motorola radio applications:

Alarm reporting, Remote control, phone interconnect, Loneworker safety, Emergency and man down alarms from radio

Autonomous or with supervisor PC!

SLR5500



DMXXXX

The MM-A112 HFI module is the Central Processing Module of the Mikado-LT radio interface and alarm reporting system.

The MA-112 can be used as a simple IP capable interface for PC server applications (TMS gateway, Indoor/outdoor Localization software interface), or as the core of an autonomous system in combination of other HFI modules to extend functionalities (I/O, Phone, LW safety, man down, emergency alarm from radios ...)

It is easily configurable and firmware can be updated via a built-in web interface.

Mikado-LT is also very easily hardware upgradable: just connect additional phone and/or I/O modules to increase capacity of the system (no need to update software or to return your hardware to factory)

Deployment on single or multiple user sites can be done remotely using internet access if available, or using simple "USB auto-configure key".

This module is based on an ARM processor and Linux embedded OS. The following connections are supported:

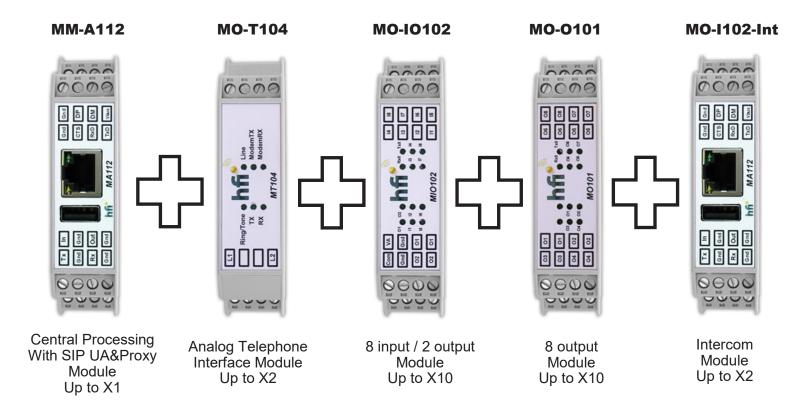
- √ 10/100M Ethernet to connect LAN for configuration, remote control and connect a host system (Business Management System, protocol : ModBus or ESPA 4.4.4)
- ✓ USB to control a mobile radio station (Motorola MOTOTRBO)
- ✓ Analog I/O to connect MA built-in sound system to mobile radio or repeater
- ✓ USB to update or extend message storage
- Serial Communication port RS232 to connect a printer, host system (Building Management System, protocol: ModBus or ESPA 4.4.4)

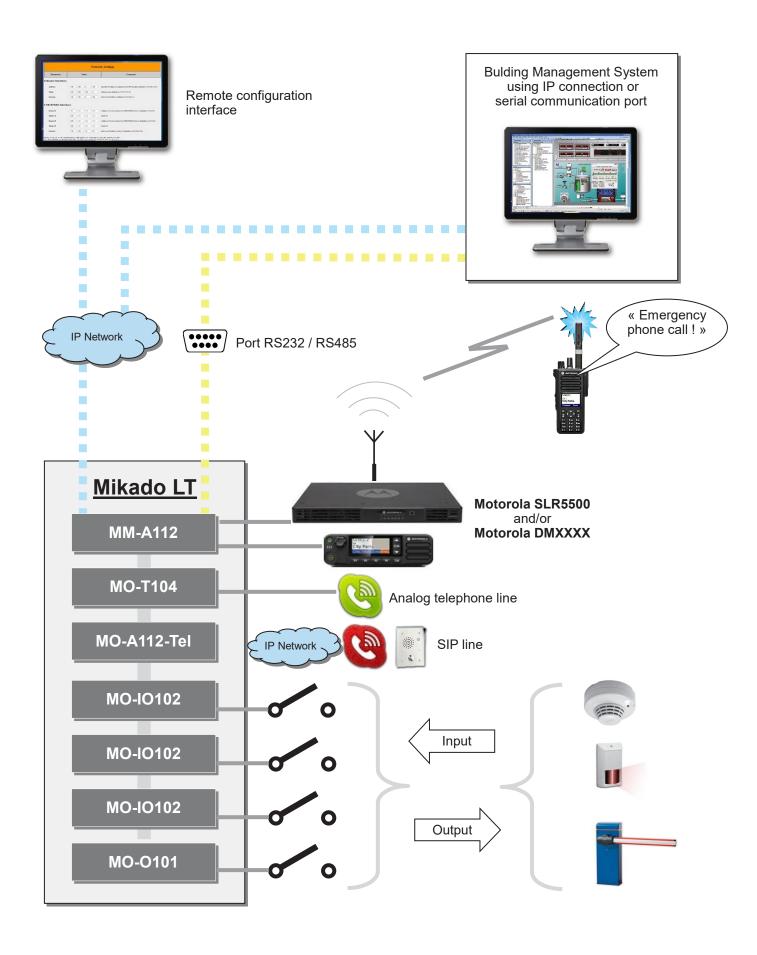
Order information:

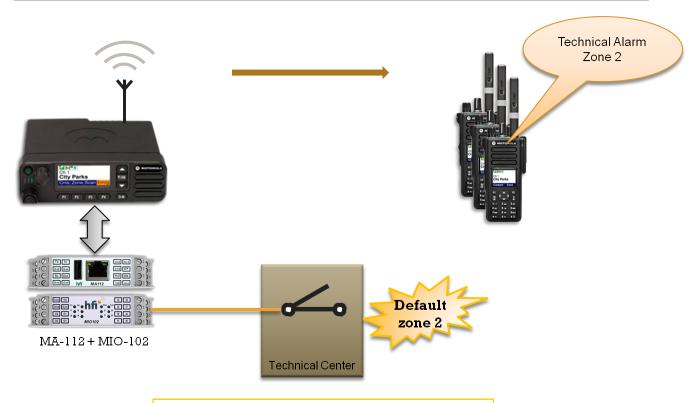
- H-MM-A112: Mikado LT ARM Processor Module

Delivered with Accessories:

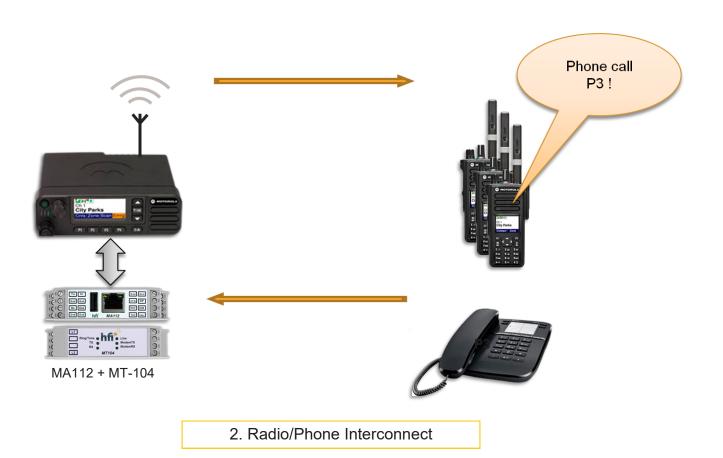
power connector ref: 562074 connectors 4pts ref: 56223

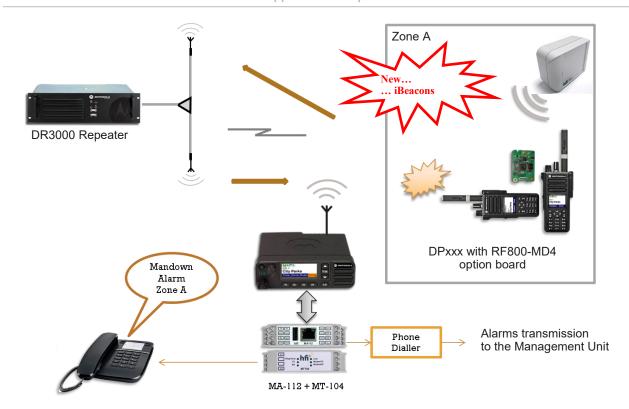




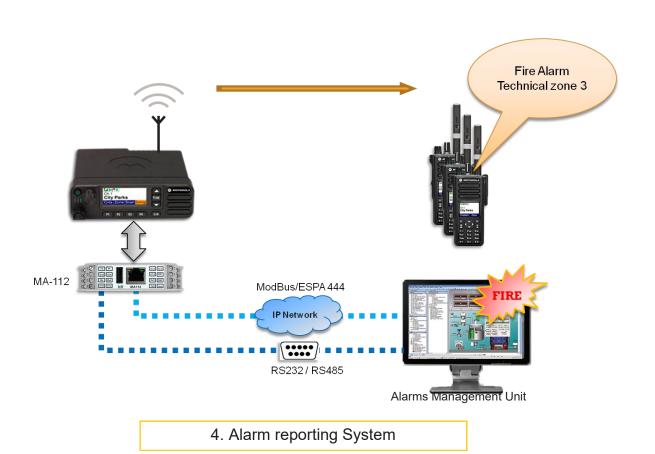


1. Alarms Reporting System with dry contacts





3. Lone-worker safety system with Indoor Localization



The configuration of the Mikado-LT is performed with the built-in web interface. The MA-112 Module must be connected to the LAN network or to a PC to allow the use of an internet browser.

The main menu allows to access several forms to setup the system:

- Select Mikado-LT Application: setup and select Mikado-LT functionalities
- Select SIP Phone Application: setup and select SIP Phone/Intercom application
- Edit Network Parameters : set parameters of Ethernet and USB RNDIS IP networks
- Edit Modbus Parameters : set parameters of Modbus Protocol
- **History log file :** view, open or download log file (text file)
- Update & Backup: update firmware, voice messages, ... and backup system settings

Save Changes Reset Changes Restart Phone Home **MIKADO LT SIP Phone Settings** Parameter Value Comment

Accounts

HFI <sip:6000:password@hfi.fr>;outbound="sip:192.168.1.253"

Format: Displayname <sip:user:password@domain;uri-params>;addr-params
Example: HFI <sip:0476031010:password@hfi.fr>

uri-params: ;transport=

addr-params: ;auth_user=username

;medianat=

;outbound="sip:primary.example.com;transport=tcp"

;ptime= ;regint=3600

;stunserver=stun:[user:pass]@host[:port]

General Specifications

Module Size: 115 x 100 x 25 mm

• Module Weight: about 150 g

• Operating Temperature : -10 à + 50° C

• Storage Temperature : - 30 à + 80° C

Power Supply: 12 V (nominal)

MA-112: 100 mA

MT-104: 100 mA

• MIO-102: 100 mA

• MO-101: 100 mA

