NMI501

Product Highlight

- CMMB CAS & UAM support
- Bundled CMMB middleware
- No external memory required
- Class leading RF & Doppler performance at -100dBm Sensitivity
- 6X6 QFN package
- High linearity +5dBm IIP3
- High Dynamic Range over 105dB
- Low power consumption less than 15mW in duty cycle mode

Main Features

Band Support	/ UHF
External Interfaces	/ SDIO, SPI, I2C, UART and ISO-7816
Protection	/ CMMB CAS & UAM system support
Implementation	/ SOC, 65nm technology, Vcc I/O plus1.2 V core

Performance

Low Sensitivity	/ -100dBm
Minimal Power Consumption	/15W in 10% duty cycle mode
High Linearity	/ +5dBm IIP3
High Gain Range	/ Over-105dB
Typical Adjacent Channel Selectivity	/ -45dB

"The Final Choice for Mobile TV Front End"

Class-leading CMMB receiver with CAS interface. & UAM.

The NMI501 is a Integrated Circuit (IC) that implements the China Multimedia Mobile Broadcasting (CMMB) mobile television standard. The NMI501 is a SoC that includes the RF tuner, demodulator and memory on a single die which achieves small package size and ultra low power consumption along with class-leading performance. It features sensitivity at -100dBm and excellent linearity of over +5dBm IIP3 and over -105dB dynamic range. As a fully integrated CMMB system solution, the NMI501 supports commercial CAS systems for Cellular phones as well as non connected devices.

Powered by bundled CMMB Middleware

The NMI501 can be used with available CMMB middleware, which integrates software from protocol stack/demux and data service to a sample GUI application. By selecting NMI501, product developers do not need to consume precious engineering resources investigating, selecting and integrating third party middleware and application software.

The contents of this document are c copyright 02/2011 NMI. All rights are reserved. A license is hereby granted to download and print a copy of this document for personal use only. No other license to any other intellectual property rights is granted herein. Unless expressly permitted herein, reproduction, transfer, distribution of storage of part or all of the contents in any form without the prior written permission of NMI is prohibited.

United States : +1 949 340 6150 _Newport Media Inc. 1 Spectrum Pointe Dr. Suite 225 Lake Forest CA 92630 / info@newportmediainc.com **China** / **Shanghai office** : +86 21 6109 6986 _Newport Media Inc. Room 501, North ZheDaWangXin Building, No. 2966 JinKe Rd., ZhangJiang HiTech Park PuDong, Shanghai, China / **Shenzhen office** : 1017,TianAn Cyber Park, Futian District, Shenzhen / vwang@newportmediainc.com **Egypt** _ +20 2 2696 1700 _ 11 Markaz El-maalomat St., block 1157 Masaken Sheraton Heliopolis Cairo 11361 Egypt. **Korea** _ +82 31 783 4200 _ WRG 12F, Parkview Office Tower, 6 Jeongja-Dong, Bundang-Gu, Seongnam-Si Gyeonggi-Do, Korea. / sales@wrg.co.kr **Japan** _ +81 3 5775 0327 _ R&M 2F, 3-5-17 KitaAoyama, Minato-ku, Tokyo 107-0061, Japan