

NXH2281UK: NFMI radio for wireless audio and data streaming

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Overview

The NXP® MiGLO® NxH2281 is a fully integrated single-chip solution that enables wireless HQ audio streaming and data communication using Near Field Magnetic Induction (NFMI), a mature technology with a proven track record in the hearing aid industry.

NFMI is more power-efficient than RF in short distances. The steep degradation of signal strength as a function of distance increases privacy and reduces issues with interference compared to RF.

Contact your local NXP sales representative or a distributor near you to purchase this product.

Benefits:

- Power-efficient, robust and private
- Human body compatible

More

Features

- Human Body Compatibility
- NFMI Technology
- Customer Programmable
- Flexible Embedded Network
- Ultra-Low-Power Operation
- High-Integration Factor


Application Notes


Buy

sot1465-2_3d












sot1465-2_3d



Bragi shows off The Dash - the world's first 'hearable'



NxH2280 NFMI Hearables Solutions



Target Applications

Consumer Electronics


Hearables (e.g. truly wireless earbuds)
Hearing instruments


Mission-critical communication

Complementary products for your application


Step 1:

Step 2:







MMA8652FC:±2g/
±4g/±8g, Low g, 12-
Bit Digital
Accelerometer




LPC541XX:Low-Power
Microcontrollers
(MCUs) Based on
Arm® Cortex®-M4
Cores With Optional
Cortex®-M0+ Co-
processor




K26_180:Kinetis®
K26-180 MHz, Dual
High-Speed & Full-
speed USBs, 2MB
Flash Microcontrollers
(MCUs) based on
Arm® Cortex®-M4
Core



SGTL50
Power A





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