

Revolutionary low power RF design technology with greater ease-of-use

# Bluetooth® Low Energy LSIs

ML7105 / ML7125

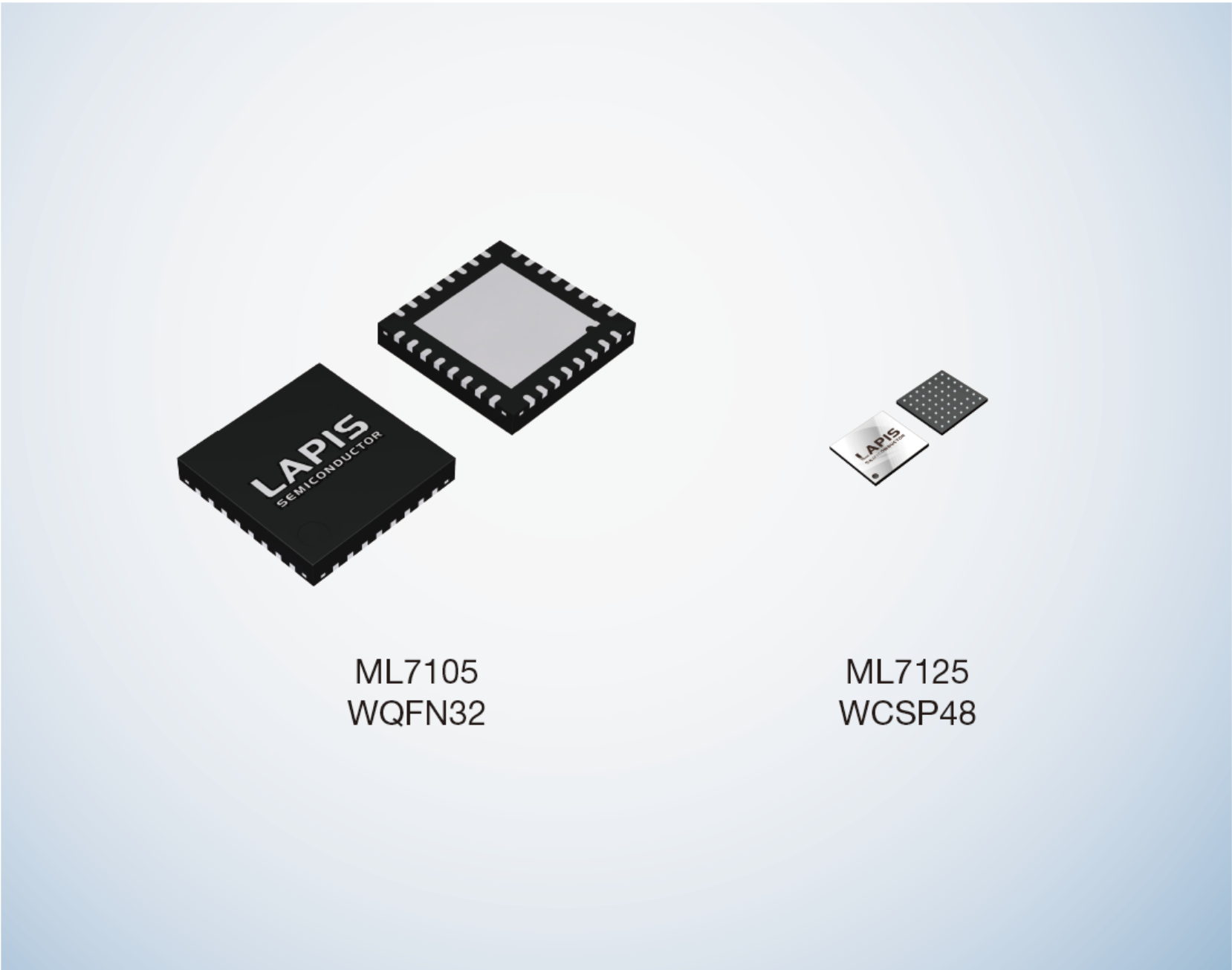


## Features

- Bluetooth® (LE) v4.0 (ML7105) / v4.1 (ML7125)
- Class-leading ultra-low power design technology
- Protocol stack software integrated
- Supports a variety of interfaces (UART, SPI, I²C, and GPIO)

## Applications

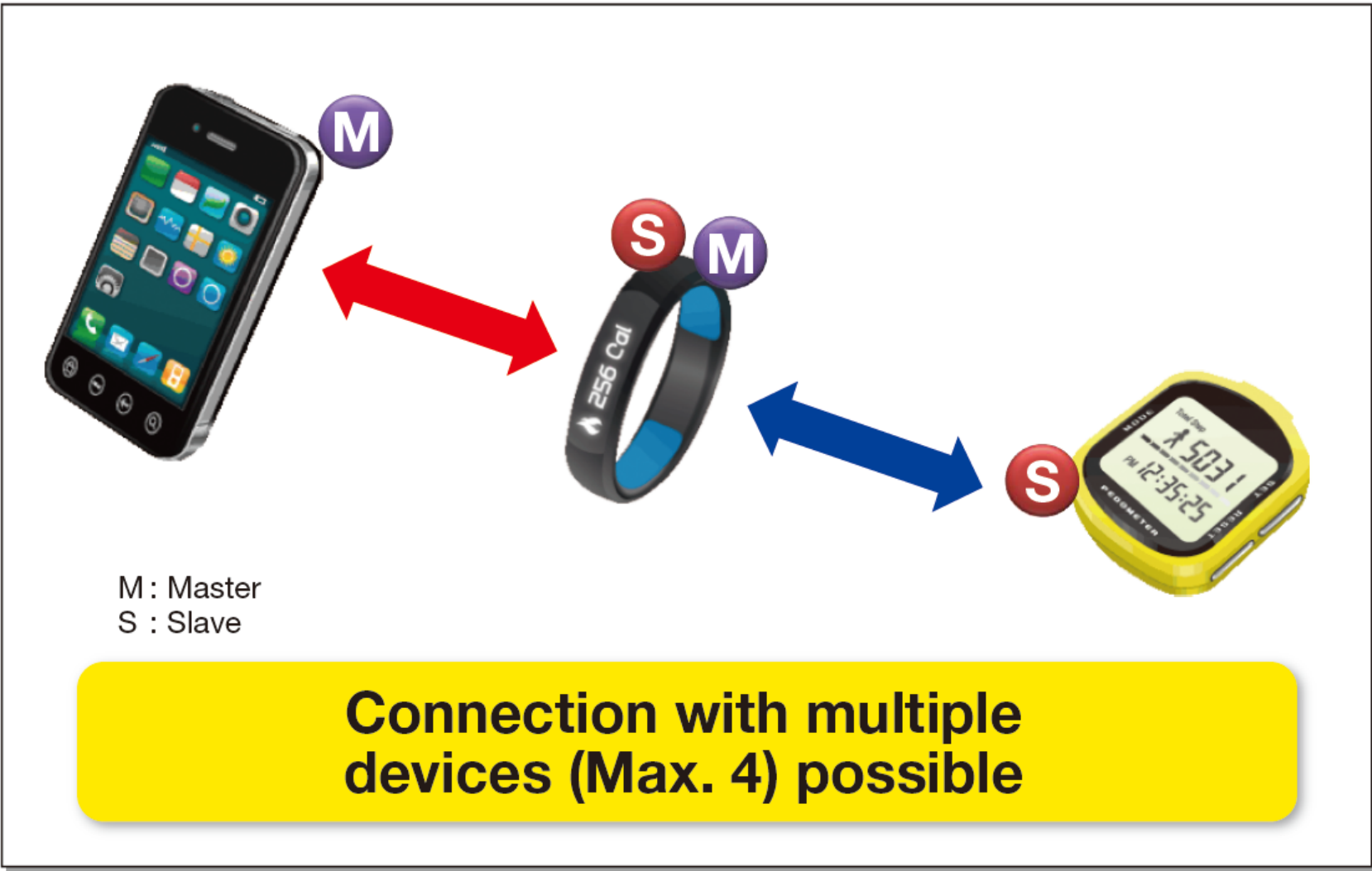
- Health and fitness
- Remote controllers



## Lineup

Product Name	ML7105	ML7125
Package	WQFN32	WCSP48
Current Consumption		
TX	9.8 mA	4mA (3.0V DC/DC)
RX	8.9 mA	4mA (3.0V DC/DC)
Sleep	0.7 µA	0.3 µA
RX Sensitivity	- 86 dBm	- 88 dBm
TX power	- 20 to 0 dBm	- 20 to 0 dBm
ROM	64 KB (ROM)	128 KB (ROM)
RAM	16 KB (no retention)	32 KB (retention)
Protocol Stack	Below GATT layer	Integrate GATT based Profiles
I/F	SPI, UART, I²C, GPIO	SPI, UART, I²C, GPIO
Regulator	LDO	DCDC, LDO

## Bluetooth® 4.1 Supported



## Roadmap

