Extending Your Reach With
Bluetooth Router For IoT Applications

IoT is big, and could be a lot bigger

if there is a common standard

Bluetooth is best positioned for IoT

Low power

Low cost

Open

Universal
3+ billion shipped
in 2015

Current limitations
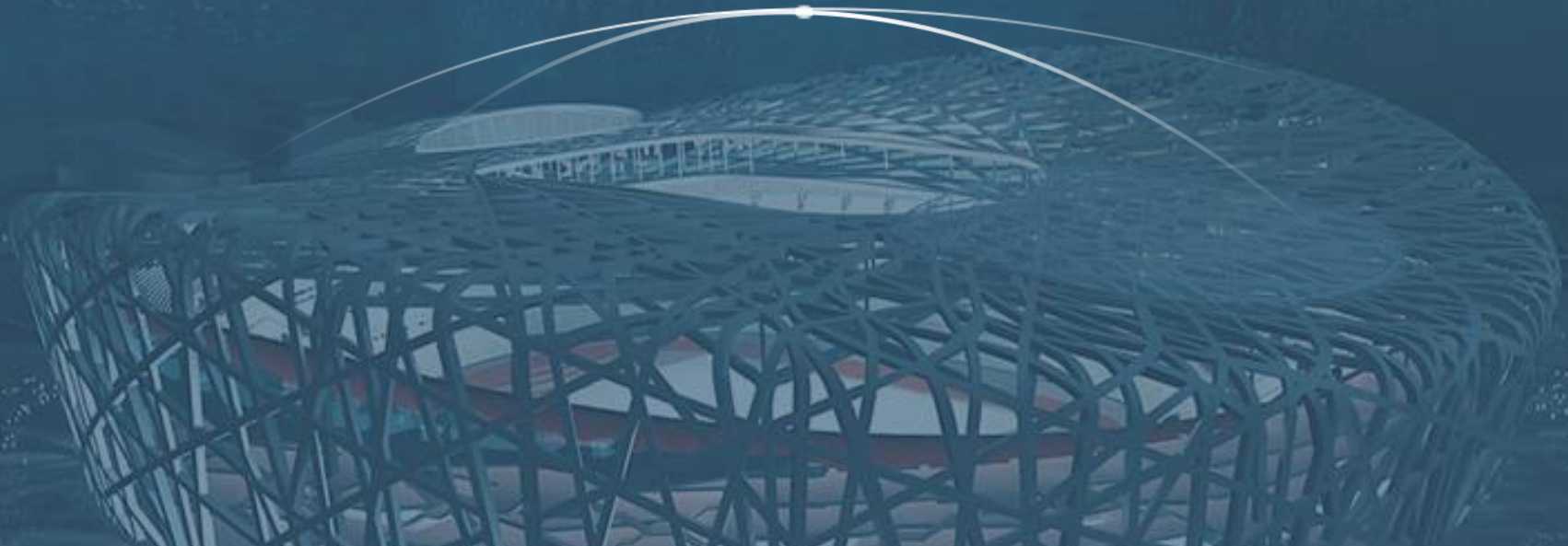
Limited range

Limited pairing
Typically one-to-one

No-remote
control

Introducing: Cassia Hub
1st – Long Range Bluetooth Router

300+ Meters

3 Walls

How to achieve Long Range?

Smart Antenna

Increase Receive Sensitivity

Noise Cancellation

22 Devices

Medical　Wearable　Plug　Appliance　Speaker　Light

Transparent Relay

Bluetooth LE Sensor

Cassia HUB

Native APP

10m

300m

300m

Patents

1. "METHODS, DEVICES AND SYSTEMS FOR INCREASING WIRELESS COMMUNICATION RANGE" is officially "patent pending" with Patent Application Number 14639711

2. "BLUETOOTH TRANSPARENT RELAY" is officially "patent pending" with Patent Application Number 14930307

3. "METHOD AND SYSTEM FOR FACILITATING AUTOMATION" is officially "patent pending" with Patent Application Number 14858607

4. "The Learning Logic Engine (LLE) for Wearable Medical Devices in Home Networks" is officially "patent pending" with Provisional Patent Application Number 62/048,870

5. "METHODS, DEVICES AND SYSTEMS FOR BLUETOOTH AUDIO TRANSMISSION" is officially "patent pending" with Patent Application Number 14919124

6. "METHODS, DEVICES AND SYSTEMS FOR SUPPORTING WIRELESS COMMUNICATION" is officially "patent pending" with Patent Application Number 14789614

7. "DEVICES, SYSTEMS, AND METHODS FOR DETECTING FALLS" is officially "patent pending" with Patent Application Number 14842044

Best of CES 2016

(Connected) Home Product Award

"We were impressed by Cassia Networks' vision and execution, and it had the buzz of the show as one of the best innovations to come out of CES this year, we've evaluated thousands of devices and products to find the technologies that will change the industry and our lives. Cassia Networks clearly was the best in show in Connected Home Products."

—— Michael Gorman, Editor in Chief of Engadget

BEST OF CES 2016 engadget

SDK for developers

Bluetooth 300M

Remote control

cloud

APP   Server

Local control

22 Bluetooth LE Sensors	300M →	HUB	Remote control → Local control	SDK	Native APP Server

SDK Features

real-time

secure

no change to
Bluetooth End Devices

Opportunities

Health & Safety

Home Automation

Consumer Electronics

Cassia
Inside

Education & Training

Sports & Fitness

Business & Industrial
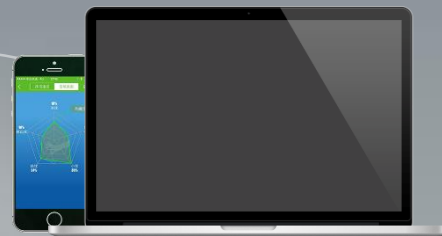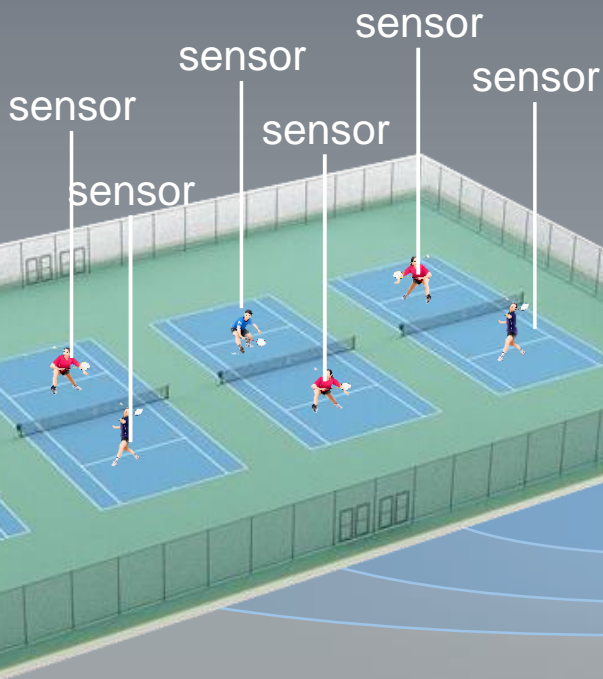
SDK SDK

Music

Speaker

Speaker

Speaker

cloud

Cassia

Stream music from cloud & local sources
Easy Setup & Same or different music for different rooms

SOLIDEX
Manufacturing Group

WEI-SOUND

Health

Blood Pressure

Respiration Rate

Heart Rate

Fall Indicator

Blood Oxygen
Saturation Level

Cloud

TOPSKY 天方达

CIMING CHECKUP 慈铭体检

Sports

sensor

sensor

sensor

sensor

sensor

sensor

sensor

60MPH

Fitness

IoT Controller

Management

Security

Locationing

Roaming
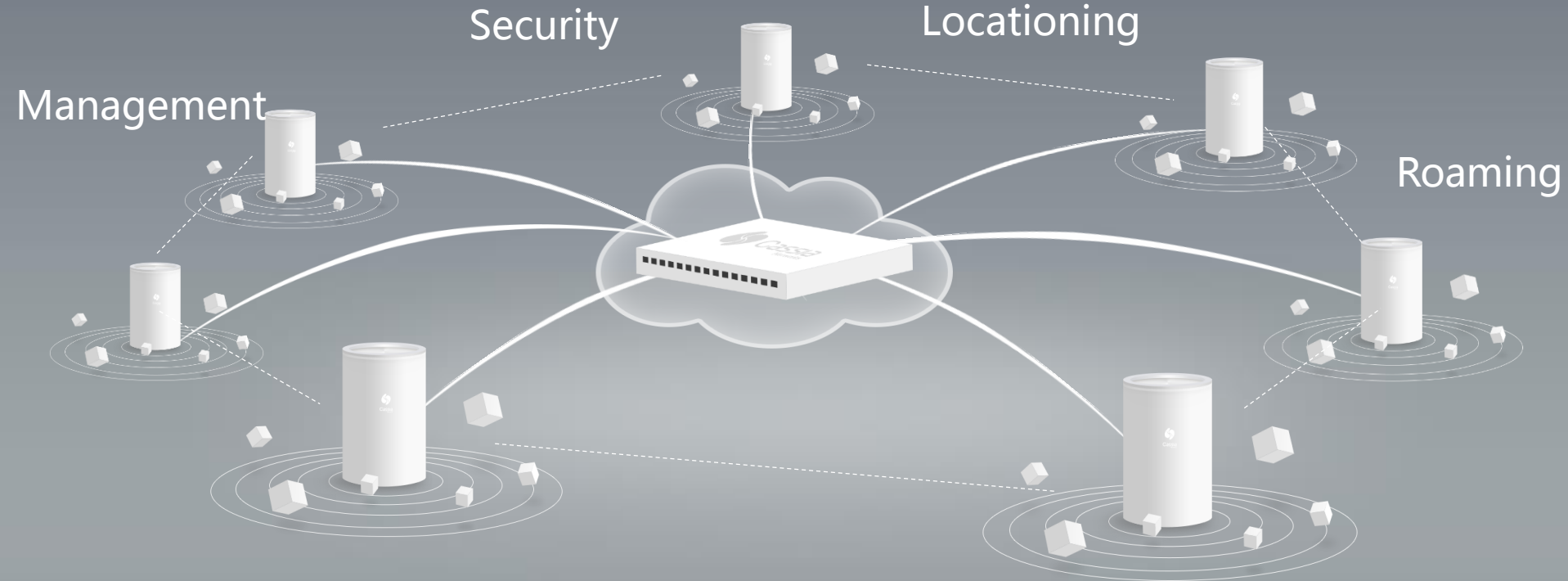
Thank You!

Cassia Networks   www.cassianetworks.com