




Reopening Schools and Businesses in the Context of COVID-19

Continuous Body Temperature Monitoring Solutions for
Schools and Businesses



Current Challenges Facing Schools and Businesses

ESTABLISHING A PROCESS FOR A SAFE REOPENING

- HOW TO EFFECTIVELY MONITOR STUDENT AND WORKER HEALTH
- HOW TO SAFEGUARD WORKER AND STUDENT HEALTH
- HOW TO REDUCE THE RISK OF CROSS INFECTION IN SCHOOLS AND BUSINESSES

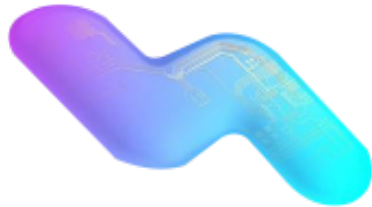


The Solution: Body Temperature Monitoring Devices using Cassia's Gateways and IoT Access Controller (AC)

BODY TEMPERATURE MONITORING SOLUTIONS



Bluetooth enabled
Temperature Wristband



Bluetooth enabled
Temperature Patch

CASSIA'S GATEWAYS & IoT ACCESS CONTROLLER

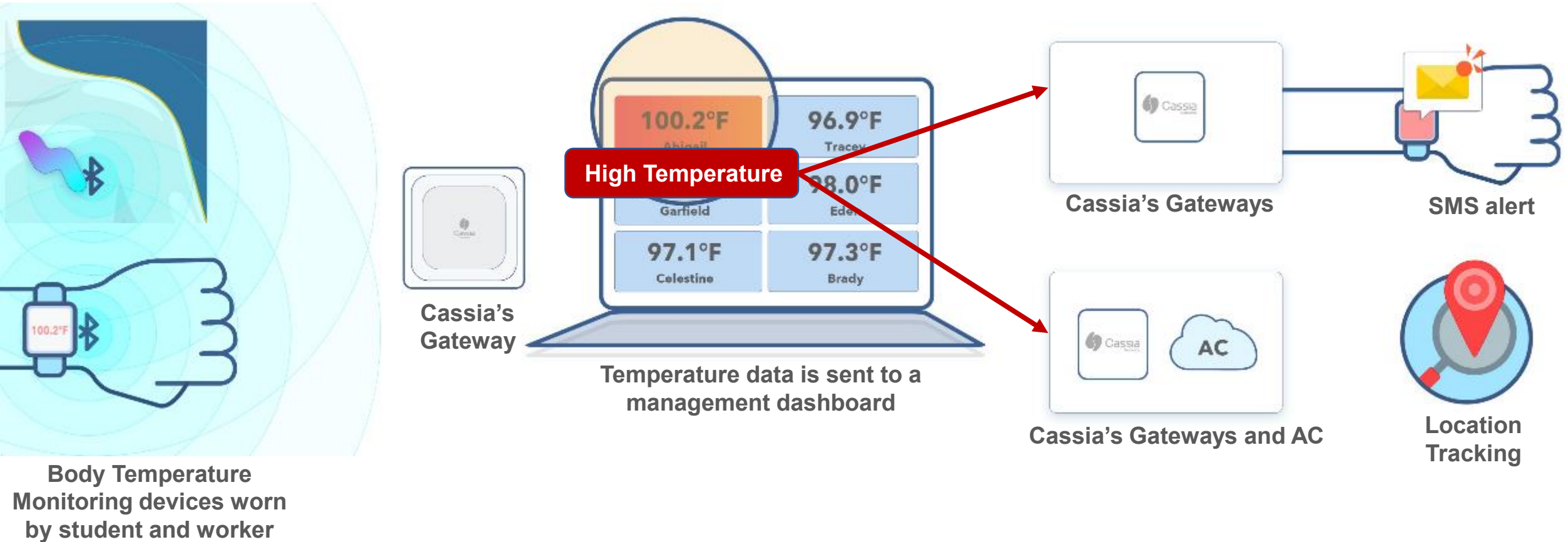


Cassia's Gateways



Cassia's IoT Access
Controller

Continuous Body Temperature Monitoring System

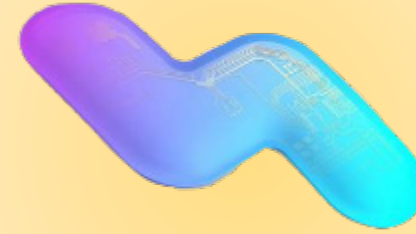


Body Temperature Monitoring Devices



Temperature Wristband

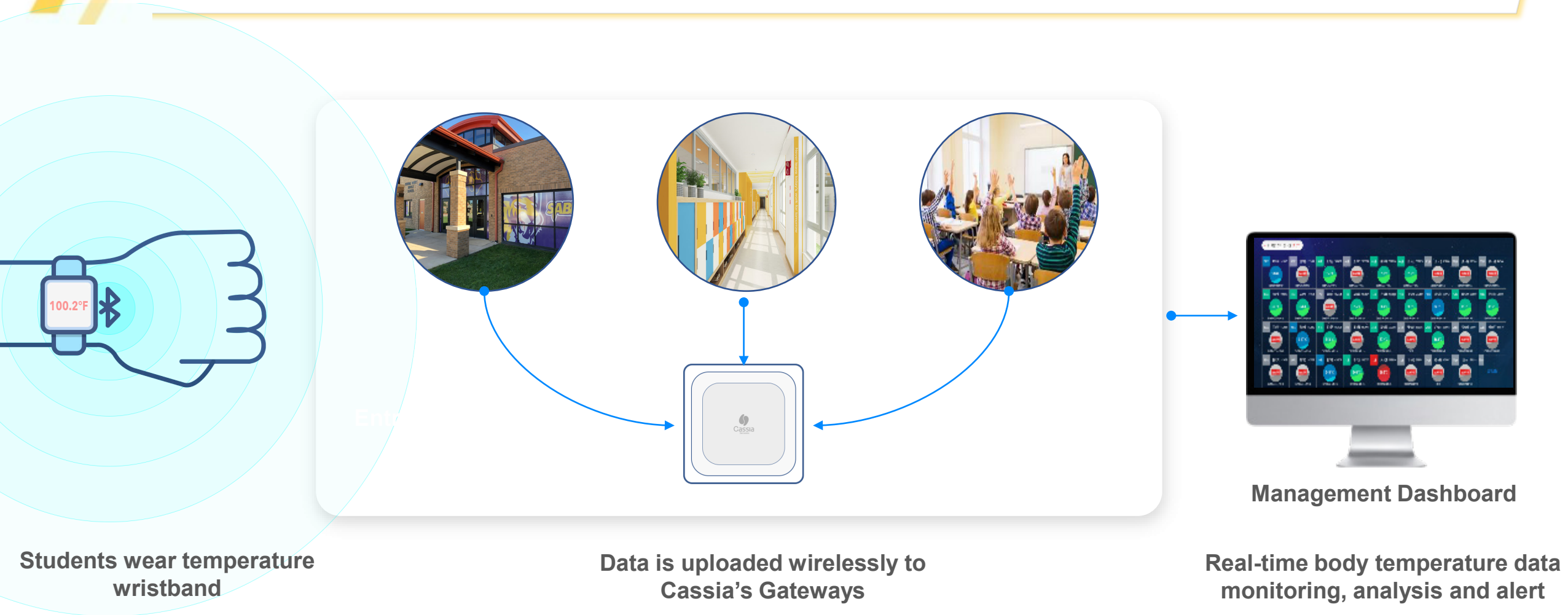
Waterproof level	IP67
Temperature range	32-42 degrees Celsius
Battery life	7 days
Battery capacity	60mAh
NFC	Positive
Accuracy	±0.2 degrees Celsius
Screen size	0.87 Inch
Single screen time	5-8s



Temperature Tag

Waterproof level	IP25
Temperature range	30-42 degrees Celsius
Certifications	CFDA/CE
Refresh rate	Every minute
Battery life	21 days
Accuracy	±0.1 degrees Celsius
Size	41mm x 61mm
Placement	Worn underneath arm

Example of Deployment in Schools



Advantages for Schools

STUDENTS

- Easy to use, non-invasive
- Eliminates the need for manual temperature checks
- Continuous monitoring detects abnormal changes in body temperature
- Contactless measurement (reduces the risk of cross infection)

SCHOOL ADMINISTRATORS / TEACHERS

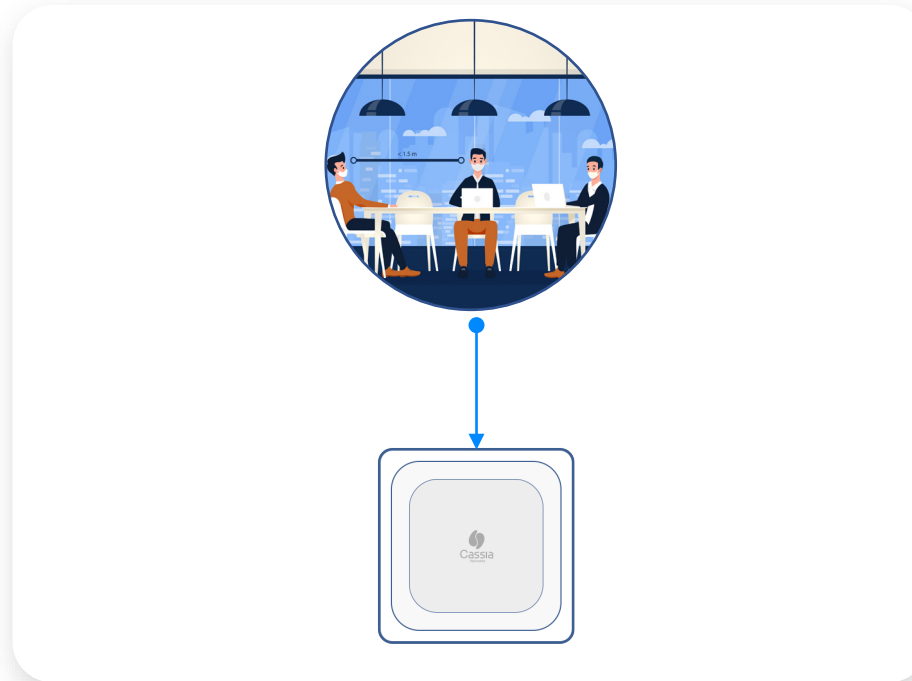
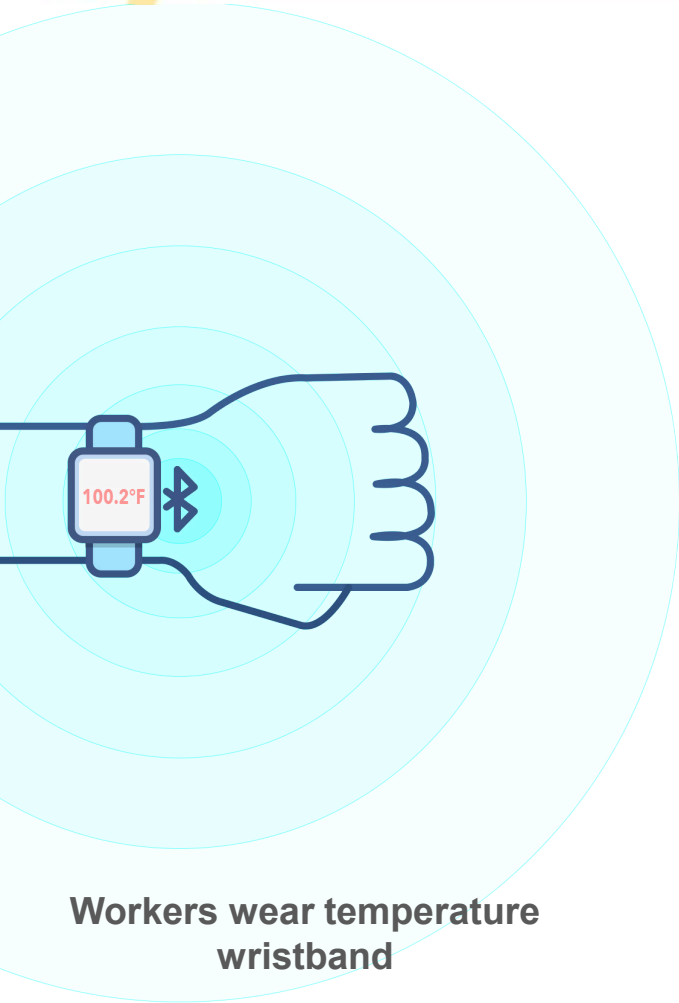
- Accurately monitors body temperature of students
- Teachers can focus on continuing education
- Ability to locate ill student and notify those who may have been in contact with this student
- Resource efficient

PARENTS

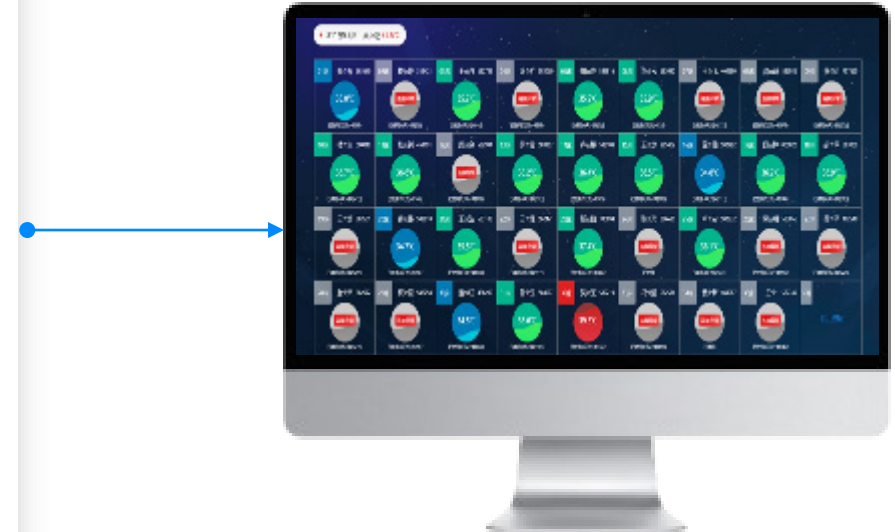
- Provides up to date health information of their child
- Immediately notified if child is unwell
- Allows parents to take proactive health measures if child is ill



Example of Deployment in Offices and Factories



Data is uploaded wirelessly to Cassia's Gateways



Management Dashboard

Real-time body temperature data monitoring, analysis and alert

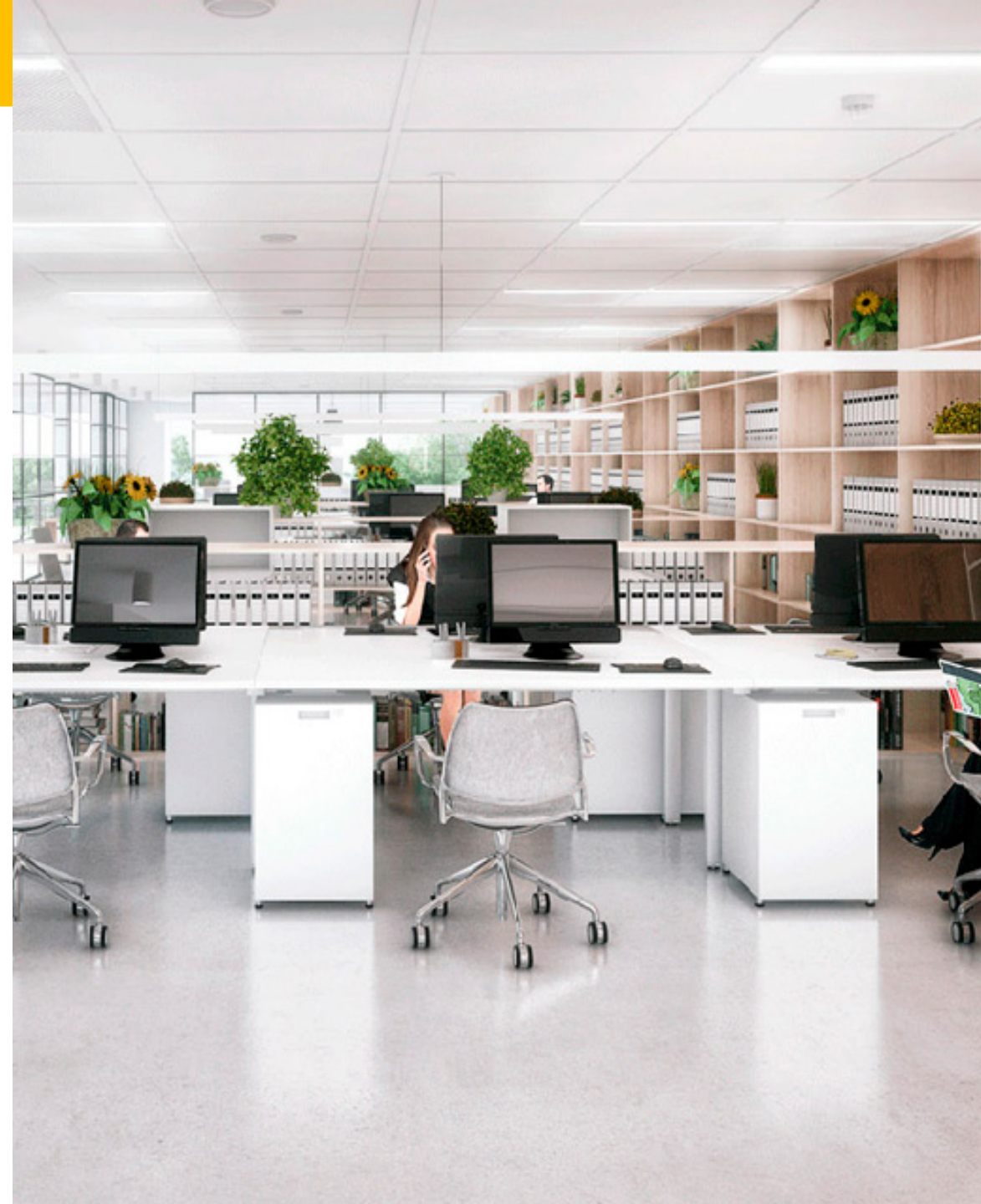
Advantages for Businesses

WORKERS

- Easy to use, non-invasive
- Eliminates the need for manual temperature checks
- Continuous monitoring detects abnormal changes in body temperature
- Contactless measurement (reduces the risk of cross infection)

OFFICE MANAGEMENT (HR)

- Early detection of ill workers
- Provides an easy way to track and monitor worker health
- Resource efficient
- Ability to locate ill worker and notify those who may have been in contact with this worker





Why Choose Cassia's Gateways for Continuous Body Temperature Monitoring Solutions?

**Why Cassia
Networks?**

REDUCES THE RISK OF CROSS INFECTION

COST-EFFECTIVE WIRELESS SOLUTION

EASY DEPLOYMENT AND MANAGEMENT



Reducing the Risk of Cross Infection

- The ability to detect which student/worker has a high body temperature and where they were at the time helps reduce the risk of cross infection
- Body temperature wristbands are **contactless**
- The ability to **contact trace** powered by the **locationing features** enabled by Cassia's gateways and IoT AC allows management to notify those who were in close contact with an ill student/worker
- The power of this measurement and alert system (SMS) can significantly reduce the risk of cross infection in both schools and businesses

KEY FEATURE: LOCATIONING SUPPORT TO ENABLE CONTACT TRACING

Cost-Effective Wireless Solution

LONG-RANGE CONNECTIVITY: 300 M

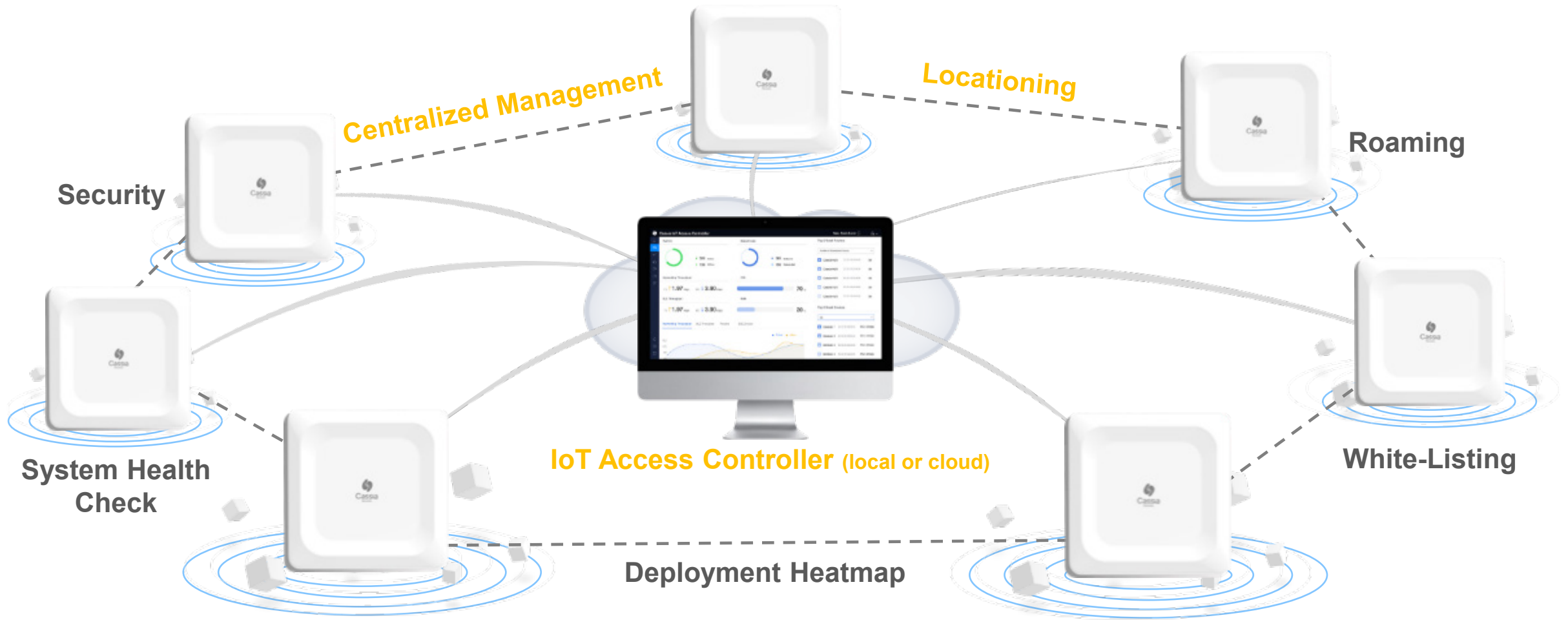
**FEWER GATEWAYS NEEDED TO COVER
MULTIPLE CLASSROOMS/OFFICES**

**REDUCES DEPLOYMENT AND
EQUIPMENT COSTS**



Easy Deployment & Management

IoT Access Controller (AC)



Partner Use Case: Tsinghua University Primary School





Cassia
Networks

MAKING BLUETOOTH IOT EASY. SCALABLE. SECURE.

IMAGINE THE POSSIBILITIES

www.cassianetworks.com