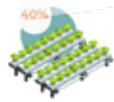


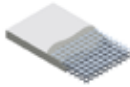
# AS321X

A passive UHF RFID chip family embedding an analog sensor interface and internal sensors

## Use Cases



**Watering Control**



**Concrete**



**Live stock Monitoring**



**Predictive Maintenance**



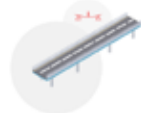
**Food Quality Control**



**Logistics**



**Building**



**Structure Health Monitoring**

## Applications



**IC  
FAMILY**



**AS3211**

Internal Temp sensors  
Cold Chain



**AS3212**

Resistive sensors  
Temperature



**AS3213L**

Temperature  
Ambient Light



**AS3213S**

Internal Temp sensors  
Strain



**AS3213RH**

Temperature  
Relative Humidity



**AS3212C**

Capacitive sensors  
Temperature



**SENSITIVITY < -15DBM**

Including sensor  
supply and  
acquisition

## AS321X

**A PASSIVE UHF RFID CHIP FAMILY EMBEDDING AN  
ANALOG SENSOR INTERFACE AND INTERNAL SENSORS**



- **BATTERY FREE**
- **FULLY PASSIVE OPERATION**



- **CONNECT EXTERNAL TRANSDUCERS  
OR USE INTERNAL SENSORS**



- **USED IN EXISTING  
INFRASTRUCTURE**
- **SENSOR DATA THROUGH  
READ COMMAND**



- **RAIN RFID COMPLIANT**
- **EPC GEN2 PROTOCOL**