

# Special Function & Extension: Unlimited Modular Expansion

12-inch NFC Tablets Android (Model: 1208) + 3× POGO PIN Interfaces + 14 Magnet Positions. Custom modules (IR Camera, Sensors, USB Devices) for IoT, industrial data collection, and specialized needs. ODM Support Pretech engineering team can develop custom modules tailored to your specific application



## Recommended Config:

12-inch NFC Tablets Android (Model: 1208) + 3× POGO PIN Interfaces  
+ Custom Module (IR Camera/Temp Sensor/Faraday Capacitor)

## Engineered for Customization



### 3 Independent POGO PIN Interfaces:

9-pin × 2 (Power+Data) + 8-pin × 1 (Peripherals) for unlimited expansion



### 14 Magnet Positions + 10× M2 Screws:

Infinitely adjustable magnetic force for hundreds of configuration combinations



### Custom Module Support:

IR Camera, Temp/Humidity Sensor, Faraday Capacitor, Wall-Mount, Kensington Lock



### General USB Extension:

Support for any custom USB device via POGO PIN to USB conversion



### Hot-Swappable Design:

Change modules without tools for flexible field deployment



### ODM Support:

Pretech engineering team can develop custom modules tailored to your specific application

# From Challenge to Result

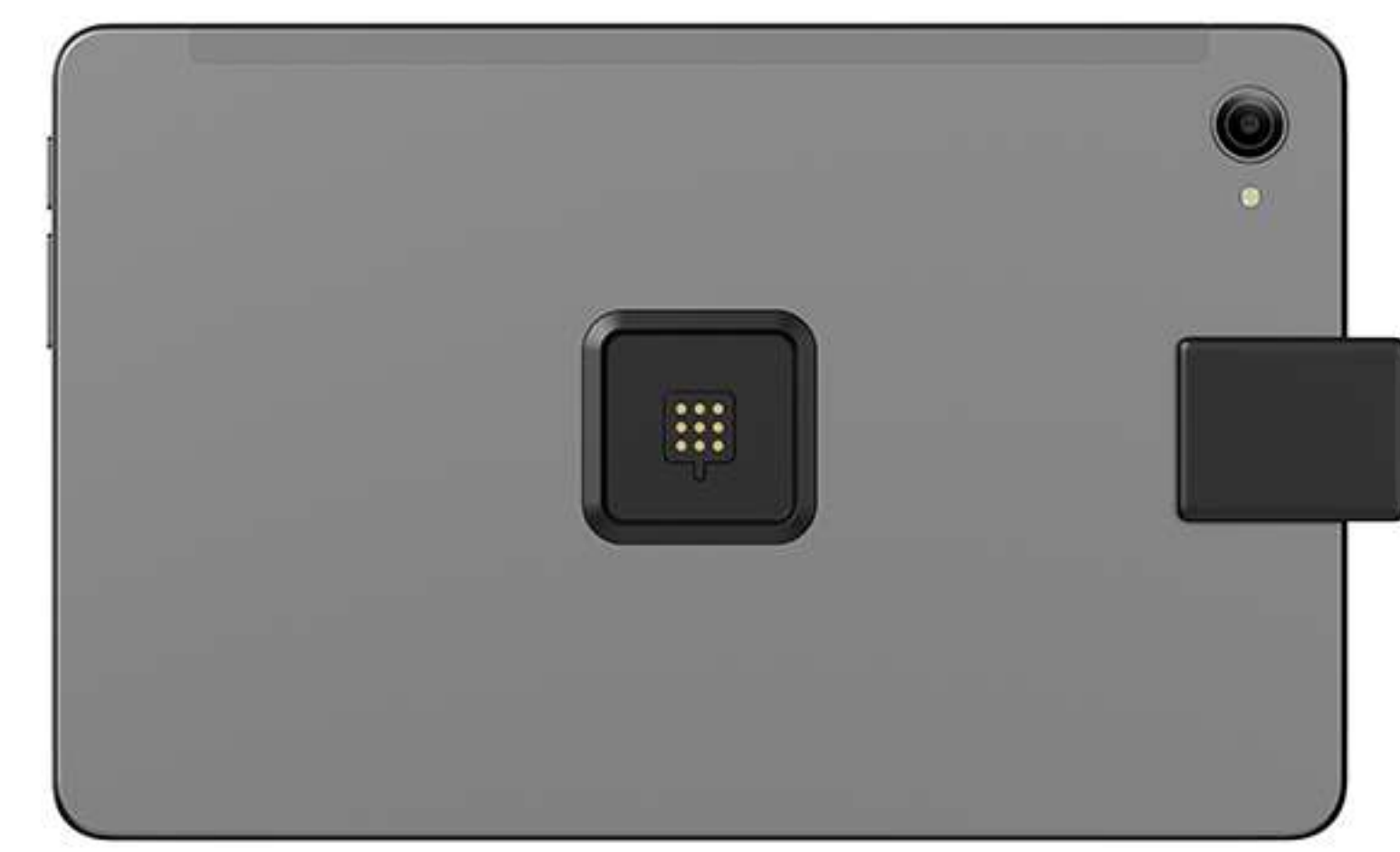
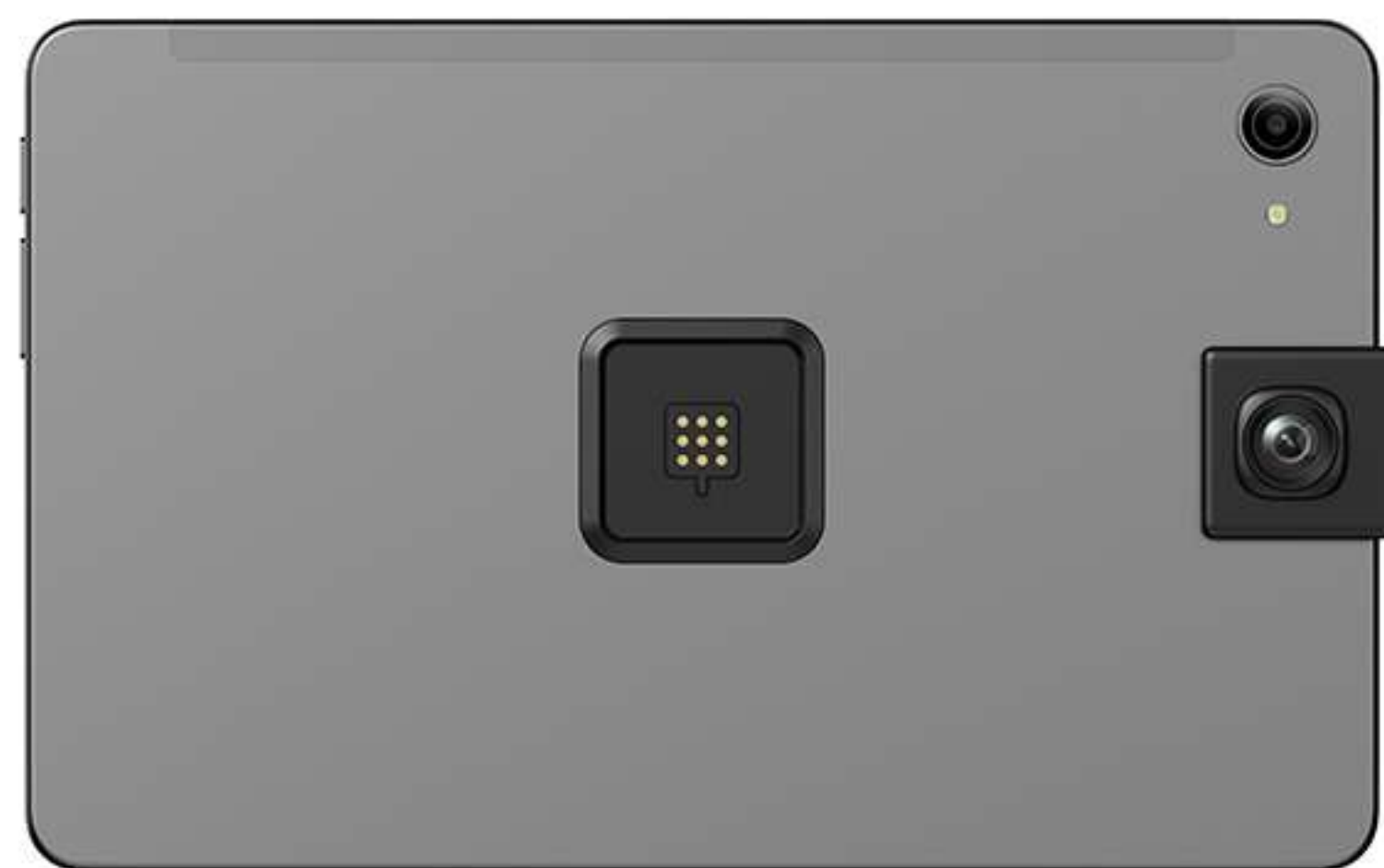
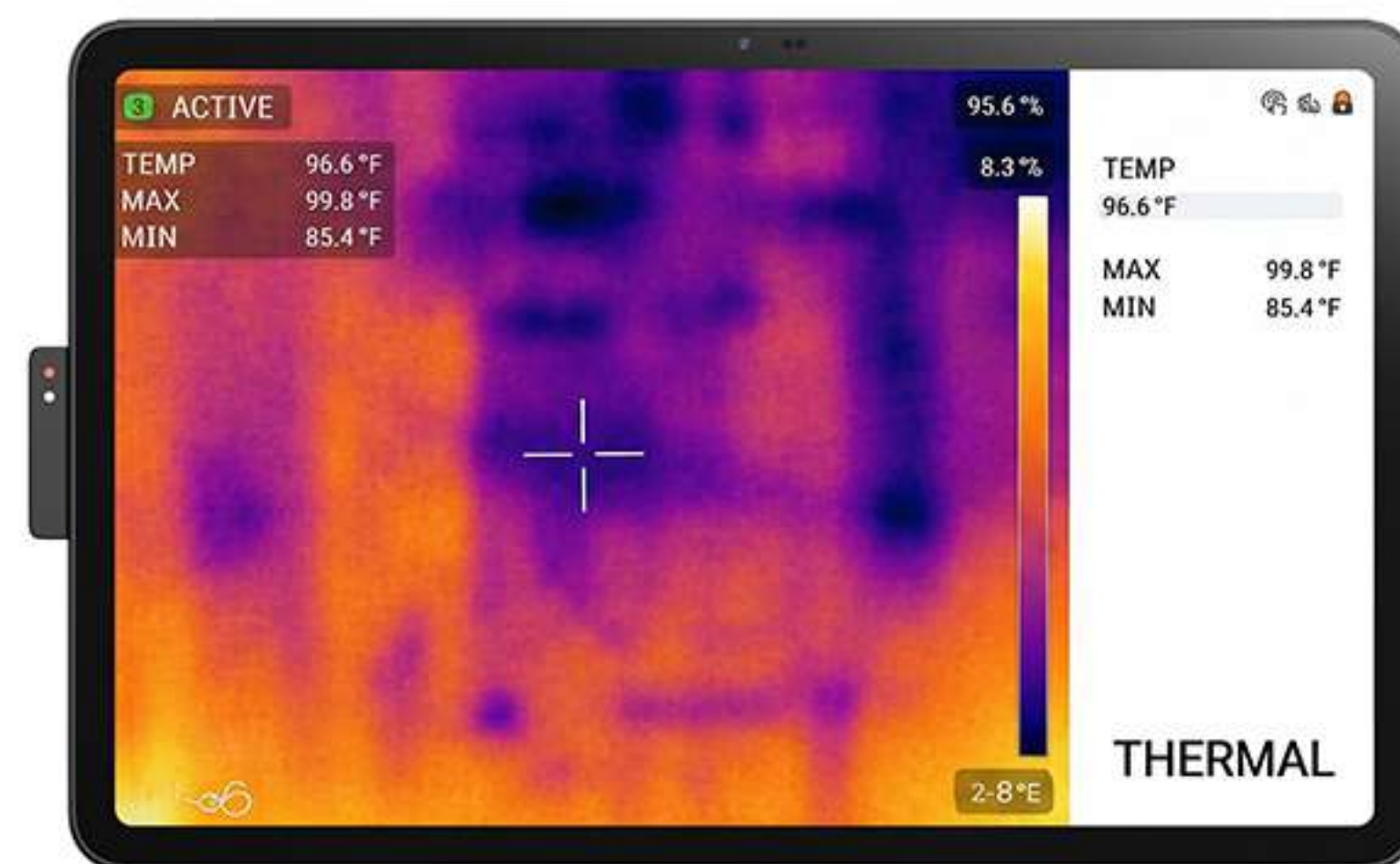
How 12-inch NFC Tablets Android (Model: 1208) special function configuration solves customization pain points

## ● Common Customization Challenges

- High NRE costs for custom PCB development
- Long lead times for specialized hardware
- Limited expansion options on standard tablets
- Difficulty integrating sensors or custom peripherals
- Rigid design preventing future upgrades

## ● Special Function Solution

- 3× POGO PIN interfaces eliminate need for custom PCB
- Modular design allows rapid module swapping and upgrades
- Pre-defined module catalog (Sensors, Cameras, Power)
- ODM team support for bespoke module development
- Future-proof architecture with reserved interfaces



# Customization Process

Get your 12-inch NFC Tablets Android (Model: 1208) custom setup running in 4 simple steps

01

## Requirement Analysis

Define your specific needs (Sensor type, Power backup, Camera, etc.).

02

## Module Selection

Choose from catalog or request custom module development from Pretech.

03

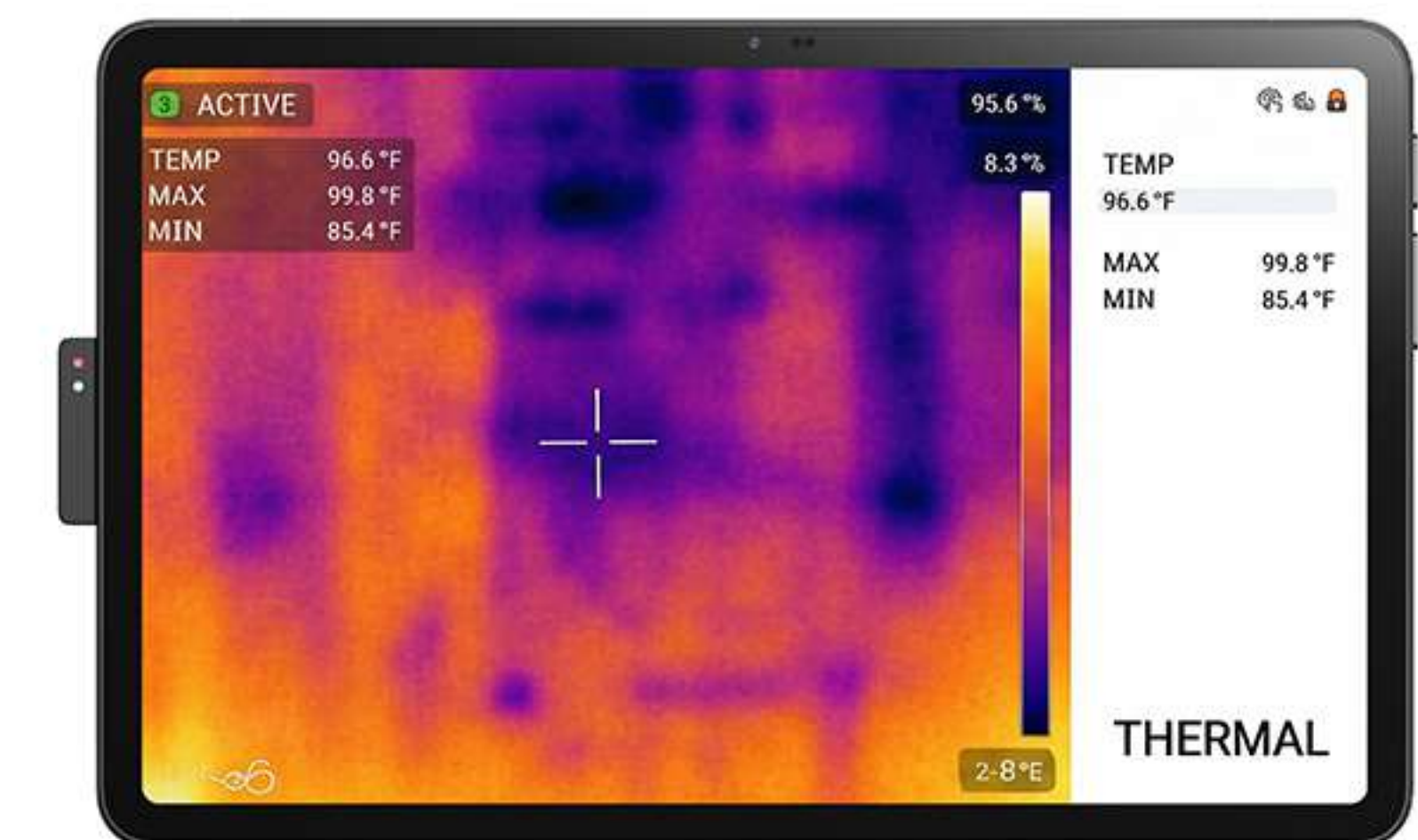
## Integration Testing

Connect modules via POGO PIN.  
Test data communication and power stability.

04

## Deployment

Deploy modular units. Swap modules as needs evolve without replacing tablet.



## 12-INCH NFC TABLETS ANDROID

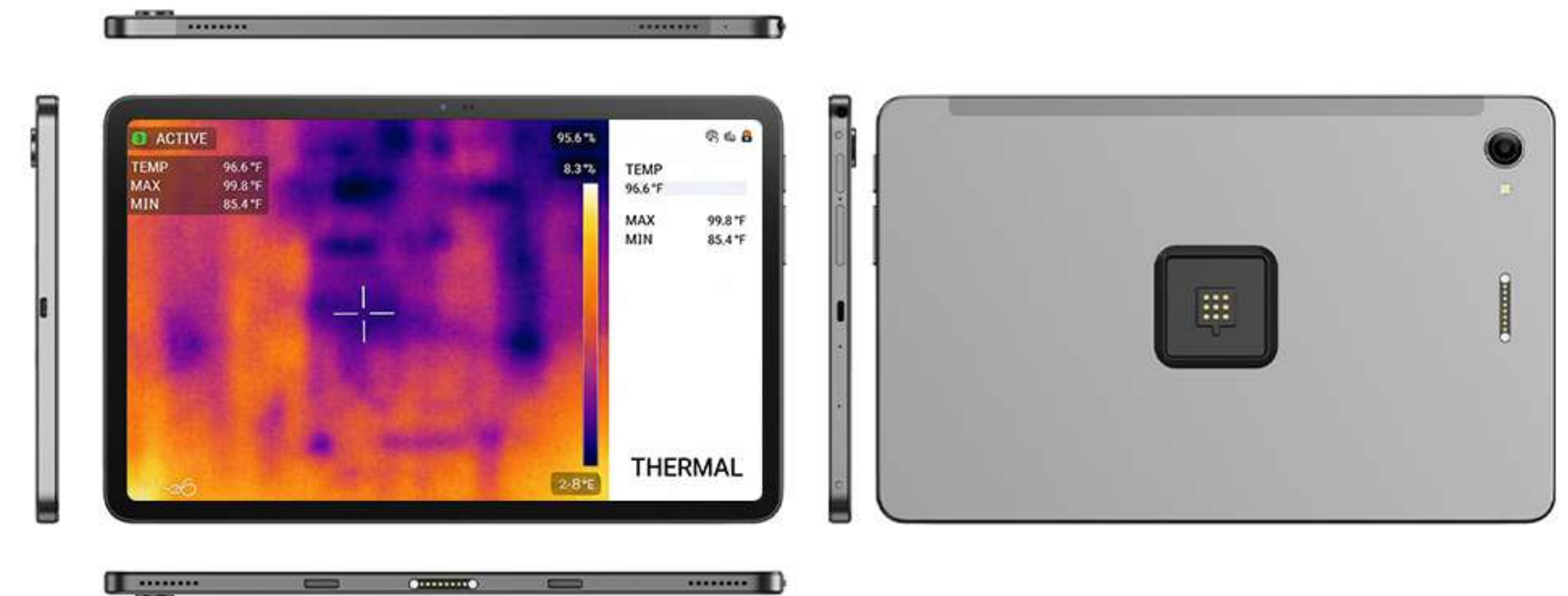
12-inch NFC Tablets Android (Model: 1208) modular POGO PIN system saved us months of development time. We needed a specific temperature sensor and IR camera for our IoT project. Pretech's custom module integrated perfectly without requiring a full PCB redesign."

IoT Solution Architect, Industrial Automation Firm

Rapid Customization

Cost Effective

Flexible Expansion



## Explore Other Scenarios



### Vehicle & Mobile

Anti-vibration structure, wide-voltage power, large display.



### Education

Interactive teaching, shortcut keys, EM pen support.



### Retail & POS Solutions

Retail, Fast-moving consumer goods stores, Payment