

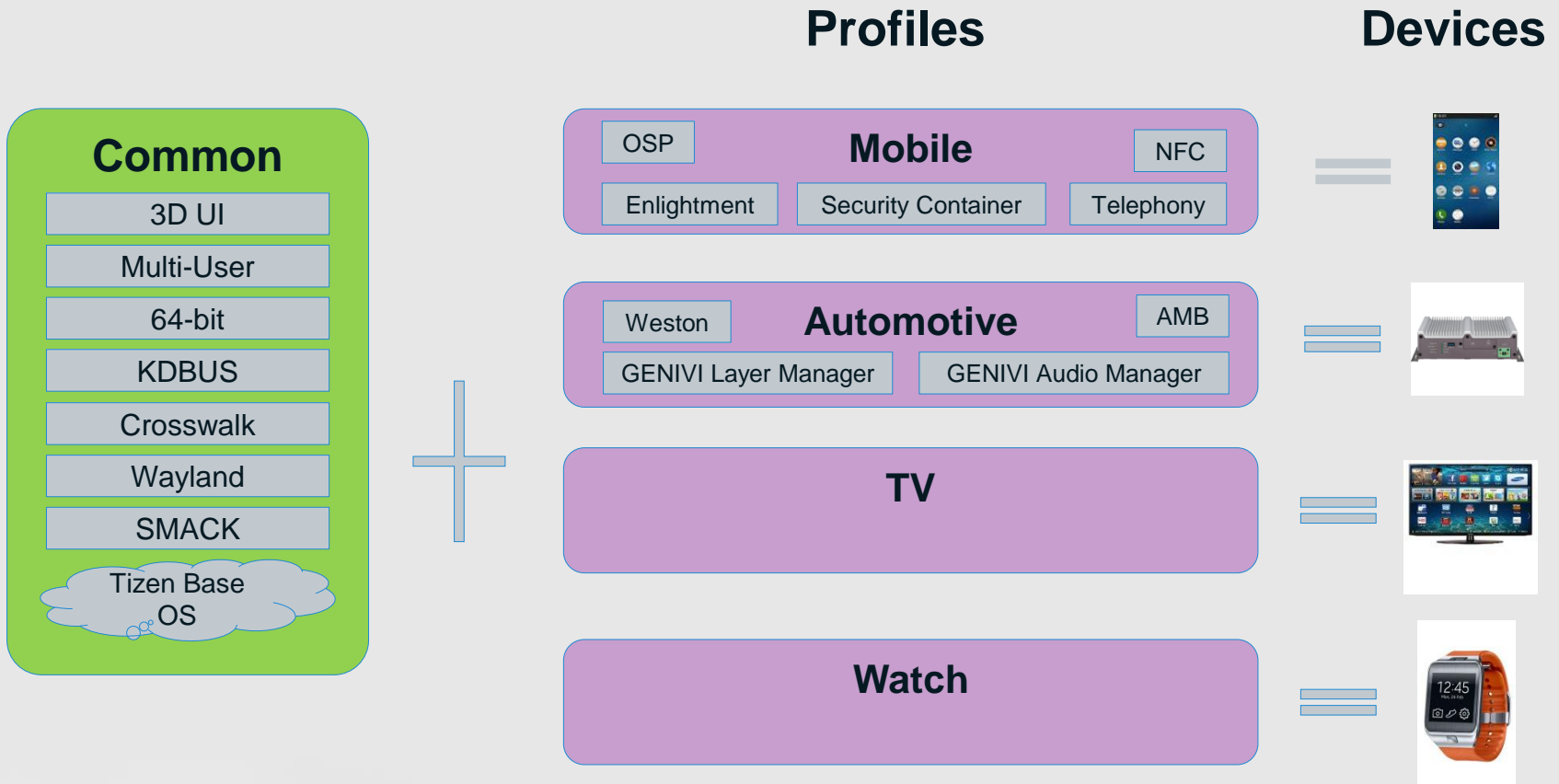


# Tizen Micro, small footprint Tizen for headless IoT devices

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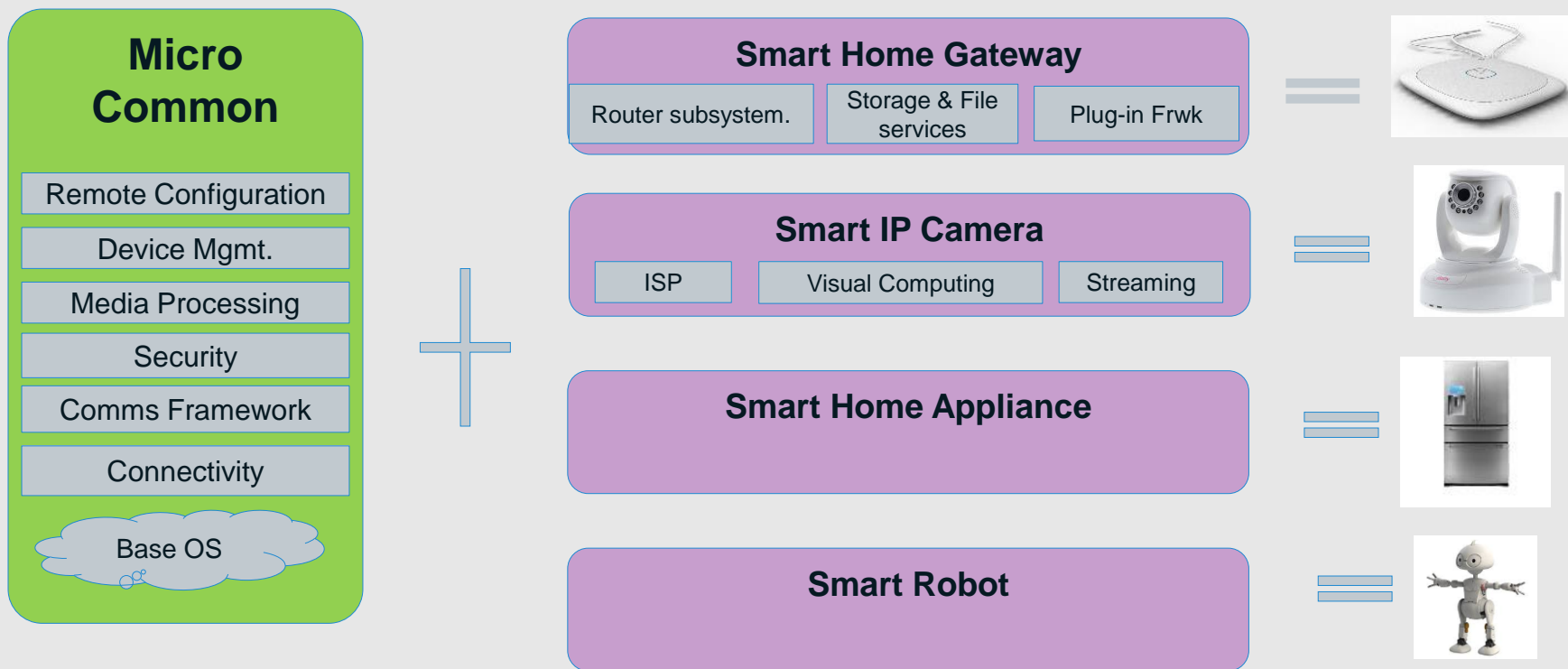
# What Tizen has been focusing on



# Tizen Micro aiming at more 'smart things'

## New Segments

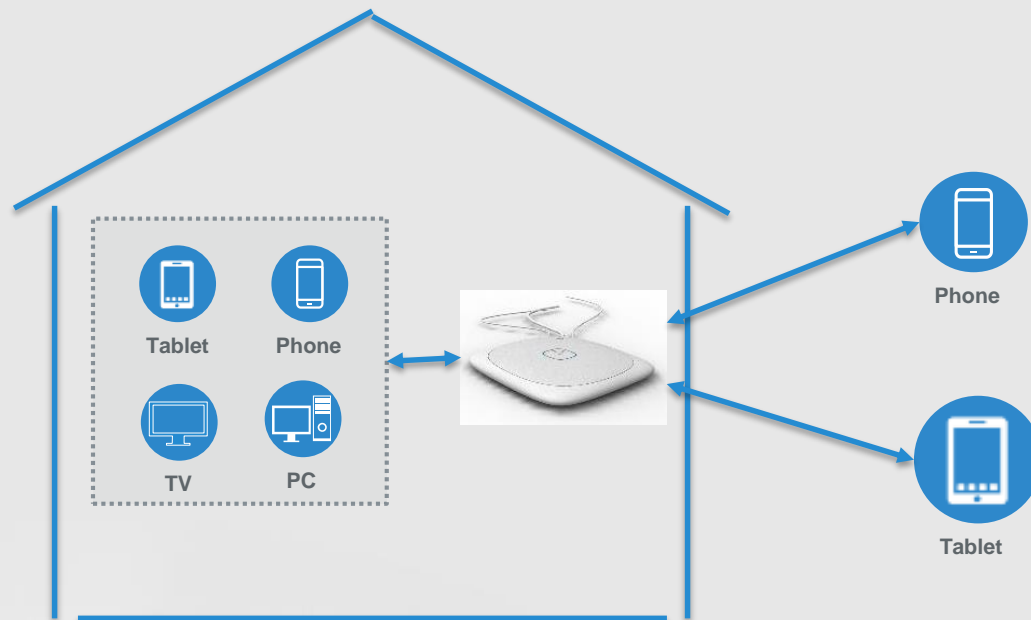
## Things



Headless, Small Footprint, Multi-tasking, Highly Configurable

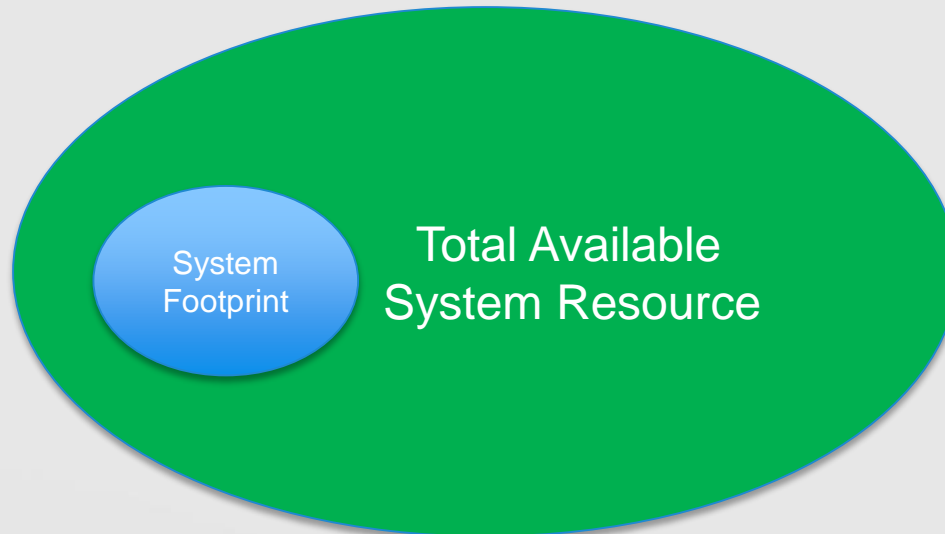
# Headless (无显示)

- No display system. No compositor
- User interaction via remote screens
- Graphics & Media engines are still useful for data processing and analytics, though optional
- Should be smarter and smarter to reduce user interaction



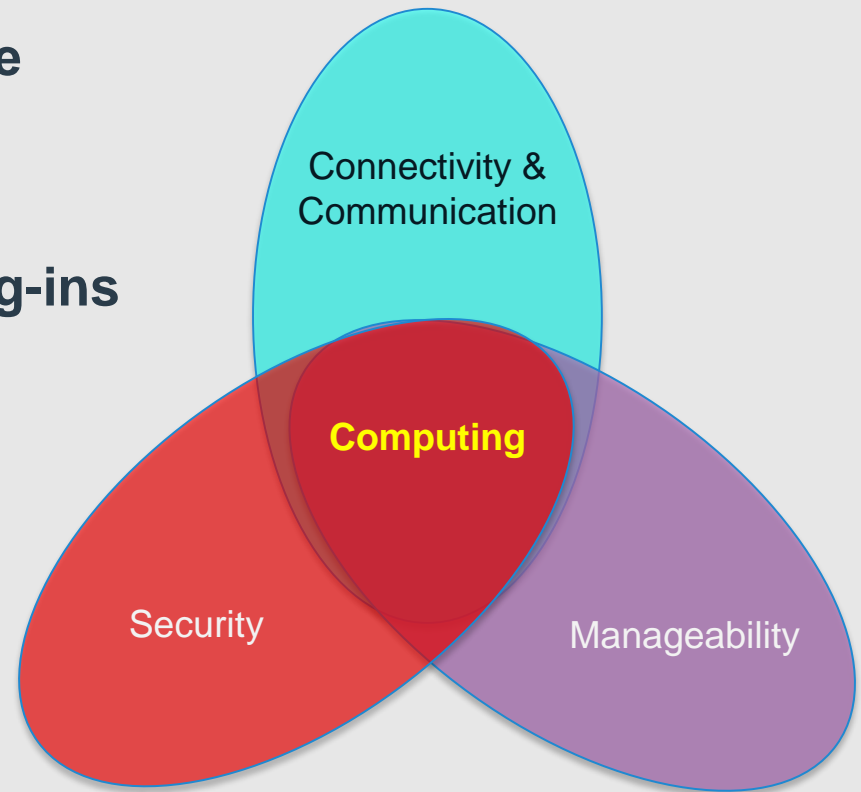
# Small Footprint (小尺寸)

- **Small system footprint**
  - Memory < 128MB
  - Storage < 256MB
- **The majority of capacity is reserved for applications**



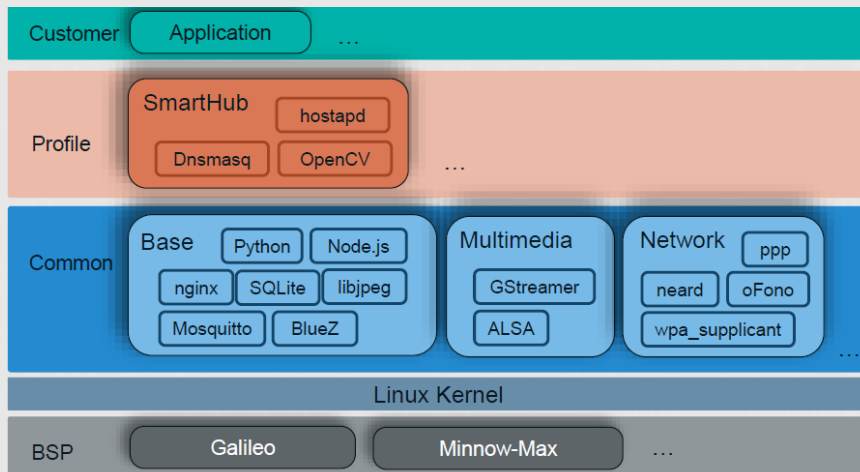
# Multi-tasking (多任务)

- It's not for single purpose usage
- Multiple workloads in parallel
- Tasks can be prioritized
- Extendable for new apps or plug-ins

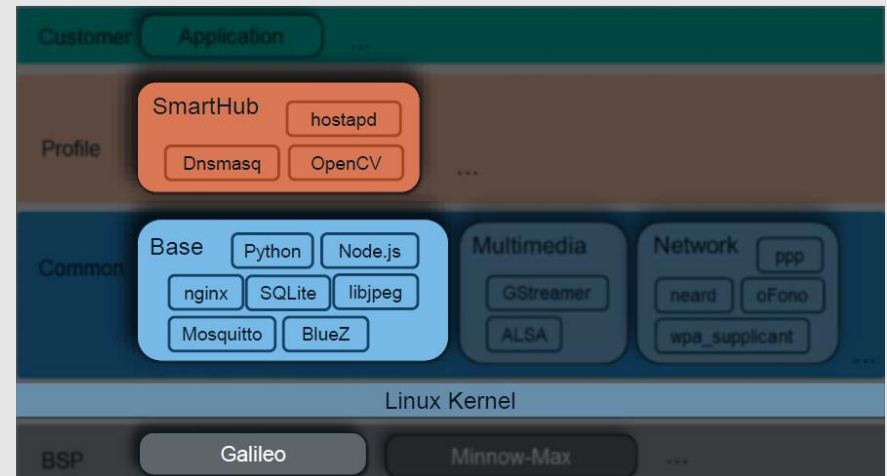


# Highly configurable (高可配置性)

- Build with Yocto tools
- Micro common → segment specific recipes



Micro common



Segment specific recipe

# Initial BOM list

- Base: Linux kernel, busybox, dropbear
- Connectivity: BlueZ, Connman
- Communication: mosquito (MQTT)
- Media: openCV, libav, miniDLNA
- Database: sqlite
- File service: Nginx (http)
- Development: node.js, python





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