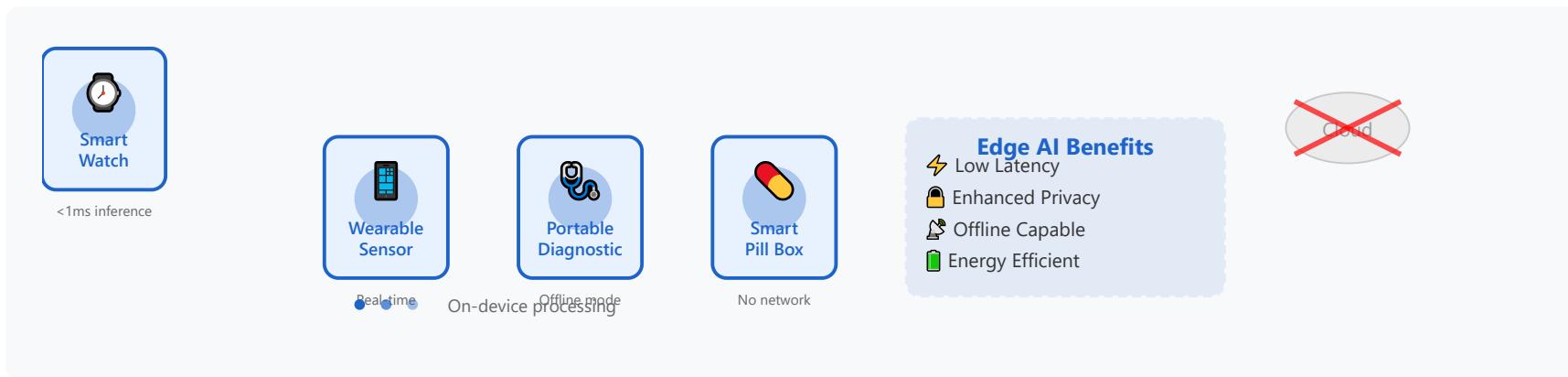


Edge AI for Healthcare



Local Processing

- On-device inference
- No cloud dependency
- Enhanced privacy
- Offline capability

Wearable Devices

- Continuous health monitoring
- Real-time anomaly detection
- Personalized insights
- Fall detection & prevention

Point-of-Care

- Portable diagnostic devices
- Resource-limited settings

Latency Benefits

- Sub-millisecond inference
- Critical for real-time alerts

- Emergency response systems

- Reduced bandwidth usage

Power Constraints: Model compression, quantization, and pruning essential for battery-powered devices