

Agentic AI moves to the edge

Agentic AI is moving intelligence closer to users and devices at the edge. To act autonomously, AI agents must respond in real time, use local data and retain context, placing greater memory and storage demands on edge systems.

Benefits of running agentic AI at the edge

- Responsiveness**

Decisions happen faster near the point of action
- Privacy**

Sensitive data can remain local
- Persistent context**

Agents can retain memory of users, environments and prior actions
- Local data**

The most relevant data is often created at the edge

When agentic AI runs at the edge, intelligence comes to life

By leveraging local data, responsiveness, persistent context and privacy, agentic AI enables more intelligent and autonomous experiences across edge devices.



Robotics

- Real-time decision making
- Adaptive operation
- Greater autonomy

AI PCs

- More personalized assistance
- Better privacy
- Faster local AI experiences



Vehicles

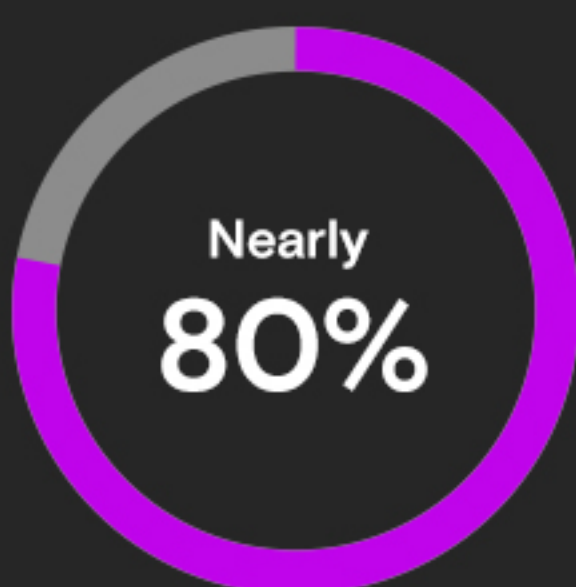
- Faster response times
- Personalized experiences
- Improved safety and awareness

Smartphones

- Context-aware assistance
- More responsive experiences
- Enhanced privacy



Last year, less than 20% of flagship smartphones shipped with 12GB+ DRAM*



This year, almost 80% of flagship smartphones shipped with 12GB+ DRAM to accommodate on-device agentic AI*

Memory and storage enable the next generation of edge AI experiences

As agentic AI expands across AI PCs, smartphones, vehicles and robotics, memory and storage become increasingly critical to delivering responsive, context-aware and autonomous experiences.

<https://www.micron.com/edge-ai>

*Source: Micron FY26-Q2 earnings call