



Example COM Express Systems

Graphics & Displays

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The Old Days.....



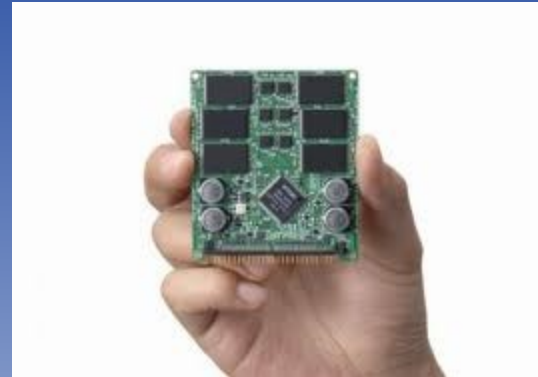
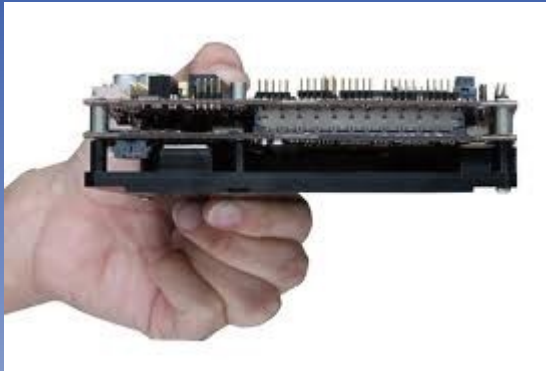
Today....



The Old Days.....



Today....



The Old Days....



Today....



The trend towards smaller and highly integrated computing platforms continues to flow into embedded computing.

The need for powerful graphics and multiple display support continues to flow into embedded computing.

Small – Highly Integrated – Powerful



Integrated Graphics = *Natural Evolution*

And...

Powerful Graphics Performance = *Requirement*

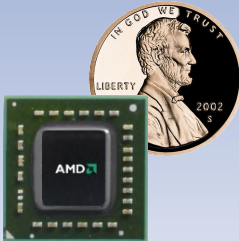
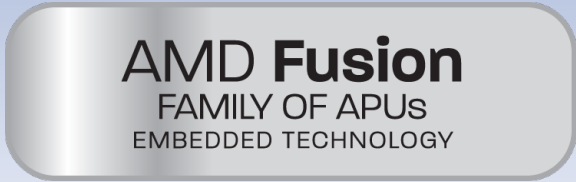


AMD Solutions For Graphics Centric Applications

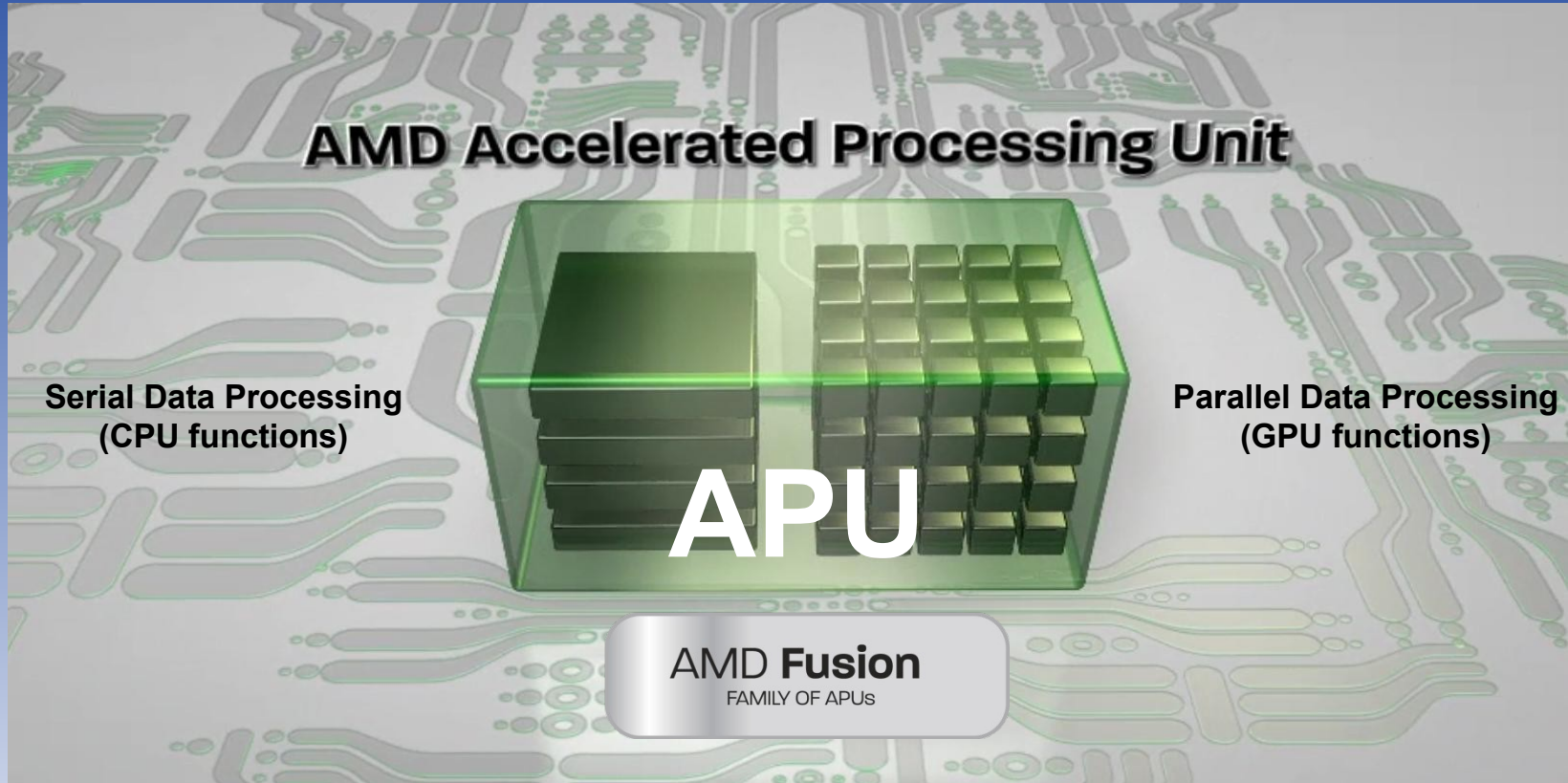
AMD Embedded G-Series APUs deliver excellent graphics performance for integrated display solutions

Support for dual independent HD displays

Ideal discrete chipset solutions for small form factor Computer-on-Modules including COM Express



How ???



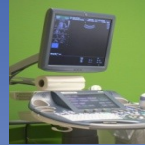
APUs are the next generation of AMD processors, with the combined power of AMD CPU technologies and discrete-class, DirectX®11 capable, AMD Radeon™ graphics



Vertical Market Example

Graphics & COM Express

Medical applications that benefit from COM Express with AMD APU's



Ultrasound



Medical Kiosk



High-end Medical Imaging



Patient Monitoring



Application Examples

Graphics & COM Express

Display Application #1

Fuel Pump Display



Application Requirements

Dual Display Support via LVDS

Full Motion – 60Hz Video – Full Color

Scalability of CPU and Memory

Specific I/O and Small Foot Print

Display Application #2

Military Display



Application Requirements

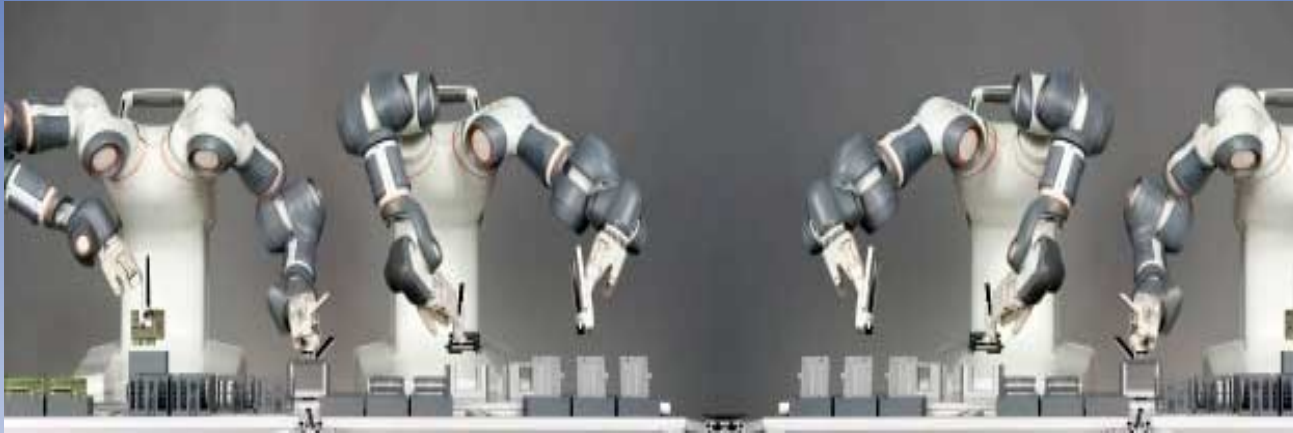
Single 15" Display with multiple overlays

Specific I/O

Expansion Capabilities

Scalability for multiple CPU's

Display Application #3 Robotics/Vision System



Application Requirements

High Performance for confined space

High end embedded graphics

Specific Foot Print

Scalability for multiple CPU's

Solutions from Systemation



Questions???