



Systems in Silicon

Am186ES Microcontroller

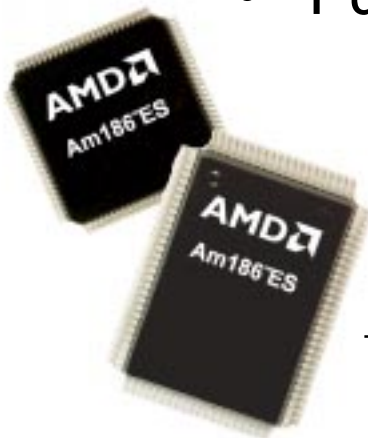
386-class performance, enhanced system integration,
and lower system cost





Am186ES Feature Set

- 2 asynchronous serial ports
- 2 DMA channels (to and from Asynchronous Ports)
- 32 programmable I/Os
- 12 chip selects
- 8 internal/8 external programmable interrupts
- Programmable bus-sizing
- Fully instruction set compatible with Am186EMTM





Am186ES Value Proposition

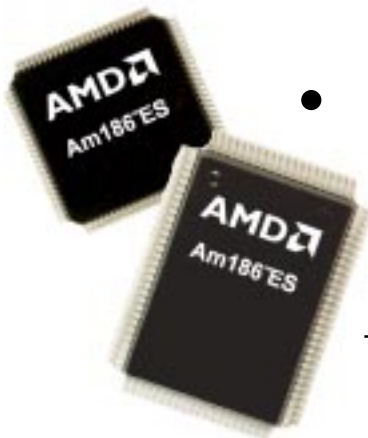
- 32-bit performance for 16-bit price
- 186 compatible software and device drivers
- Extended feature set
 - glueless interface to memory
 - two serial ports
 - pulse width demodulation





Why x86?

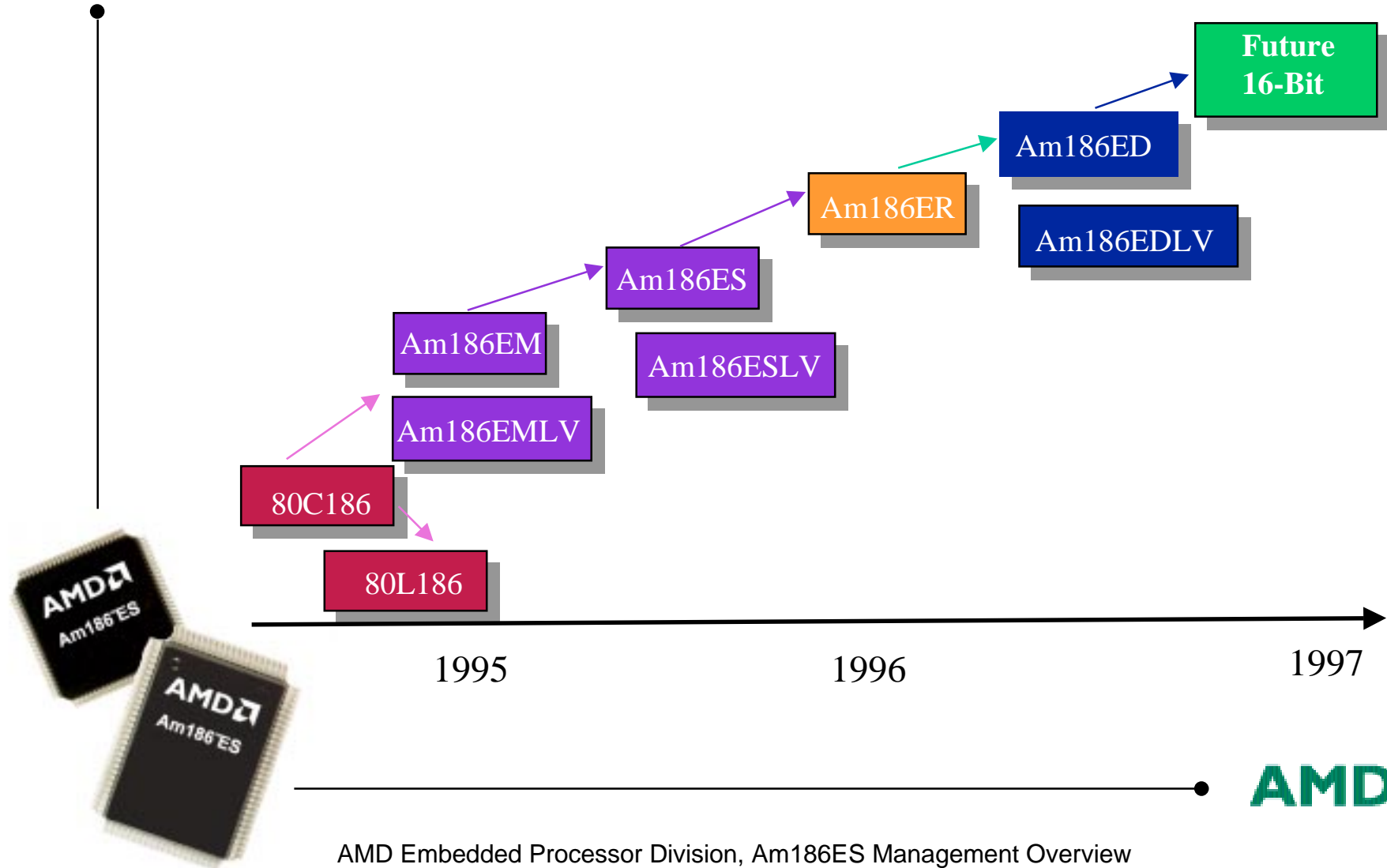
- Industry leader in development tools
- Industry familiarity
 - Hardware/software
 - Tools
 - Yearly investment in architecture
- Desktop market insures migration path
 - One architecture encompassing 16-/32-bit applications and beyond
 - Upgradability and backward compatibility
- High code density





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AMD's 16-Bit Product Roadmap





Target Applications

- Communications
 - Public infrastructure
 - Line cards
 - PBX's
 - ISDN terminals/adaptors
- Networking
 - Host adaptors
 - Hubs/bridges
- Point-of-sale
- Industrial control
- General embedded applications

