Why CORBA for Embedded Systems?

• Client/server location transparency
  – Clients don’t care where the server is
  – Inter-system and Inter-language interoperability

• Wide availability
  – CPUs, Oses
  – Multiple vendors, multiple products

• Common programming model
  – Object Oriented client/server
What is Different About Embedded Systems?

- Resource constraints
  - Memory
  - CPU
  - Bandwidth
- Limited user interface or strictly server
- Real-time response requirements
- Target systems
  - Embedded boards and CPUs
  - RTOSes
  - ROM, flash, etc.
  - Busses, “unusual comm devices”
How is CORBA Addressing Embedded Systems?

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CORBA is location transparent, client/server
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Real-Time CORBA specification
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Targeted products

Transports
Frameworks RFP

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Following Presentations

• minimumCORBA Specification
• Real-Time CORBA Specification