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EMBEDDED SYSTEM DESIGN

Figure 2.3 A Typical Bus Structure Comprising Address, Data And Control Signals. The Microprocessor A Microprocessor (sometimes Abbreviated μ P) Is A Programmable Digital Electronic Component That Incorporates The Functions Of A Central Processing Unit (CPU) On A Single Semiconducting Integrated Circuit (IC). Jun 1th, 2024

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Almost Real Time. •For Example, An Embedded System Deployed In Flight Control Application Should Respond In A Real Time Manner. •Any Response Delay In The System Will Create Potential Damages To The Safety Of The Flight As Well As The Passengers. •It Is Not Necessary That All Embedded Systems Should Be Real Time In Response. Mar 3th, 2024

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Memory System Performance H = Cache Hit Rate: The Percentage Of Cache Hits T Cache = Cache Access Time, T Main = Main Memory Access Time. Average Memory Access Time: T Av = Ht Cache + (1-h)t Main Example: T Cache = 10ns, T Main = 100n Mar 3th, 2024

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