
Microprocessor applications reference book. Volume 2. August 1983. COPYRIGHT 1983 by Zilog, Inc. All rights reserved. Â Communications Controller Counter/Timer and Parallel I/O Unit FIFO I/O Interface Unit Z-FIFO Buffer Unit and FIFO Expander Burst Error Processor Data Ciphering Processor. Universal Peripherals. Serial Communications Controller. Unit III Â Interfacing Interfacing of Keyboard and Display Devices Â Interfacing of Sensors, Transducers, Actuators, A/D and D/A converters Â Analog signal conditioning circuits Â Data acquisition systems Â External Memory Interface Â Stepper Motor, DC Motor Â Standard interfaces: RS232, USB. Unit IV Â Introduction to Embedded Systems Complex systems and microprocessors Â Embedded system design process Â Instruction sets preliminaries Â ARM Processor Â CPU: programming input and output supervisor mode, exceptions and traps Â Memory system mechanisms Â CPU performance. Â Below is the list of microprocessor and microcontrollers book recommended by the top university in India. Interfacing the Am79C90 C-LANCE to 8 Bit Microprocessors. Advanced Micro. Devices. Interfacing the Am79C90 C-LANCE to 8-Bit Microprocessors. Application Note. Table of contents. Â When designing the memory control interface, special considerations should be taken since there are two un-related synchronous events occurring simultaneously. This is especially evident when attempting to design an interface for dynamic RAMs. This interface should be of an asynchronous nature.