IBM 486 DX4
Power Consumption Values

Application Note

Author: Scott Pheasant

Introduction

The following tables list the nominal power values, along with their corresponding internal processor speed, for the IBM 486 DX4 microprocessors (both PGA and CQFP packages). The term "Standby" in these tables refers to the microprocessor being placed into both the Suspended and the Stop-Clock states.

TABLE 1. Nominal Active Power Consumption

Voltage/Speed (V/MHz)	Current (mA)	Power Consumption (W)
3.45V		
75 MHz	755	2.60 Watts
100 MHz	920	3.17 Watts

Table 2. Nominal Suspend Mode Power Consumption

Voltage/Speed (V/MHz)	Current (mA)	Power Consumption (W)
3.45 V		
75 MHz	20	.069 Watts
100 MHz	24	.083 Watts

Table 3. Nominal Standby Power Consumption

Voltage/Speed (V/MHz)	Current (mA)	Power Consumption (W)
3.45V	12	.041 Watts

IBM Corporation 1995. All rights reserved.
IBM and the IBM logo are registered trademarks of International Business Machines Corporation. IBM Microelectronics is a trademark of the IBM Corp.
All other product and company names are trademarks/registered trademarks of their respective holders. 1995 IBM Corp.

This document may contain preliminary information and is subject to change by IBM without notice. IBM makes no representations or warranties that the use of the information or applications herein shall be free of third party intellectual property claims and assumes no responsibility or liability from any use of the information contained herein. Nothing in this document shall operate as an express or implied license or indemnity under the intellectual property rights of IBM or third parties.

The products described in this document are not intended for use in implantation or other direct life support applications where malfunction may result in physical harm or injury to persons.

NO WARRANTIES OF ANY KIND, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE OFFERED IN THIS DOCUMENT.

All performance data contained in this publication was obtained in a specific environment, and is presented as an illustration. The results obtained in other operating environments may vary.