PRELIMINARY

AMD

IMR2/QuIET-EVAL-KT

Evaluation Kit for the Am79C983 and Am79C988 Devices

DISTINCTIVE CHARACTERISTICS

- **ISA-bus adapter card with two IMR2 and three QuIET devices**
- **Supports twelve 10BASE-T ports and two AUI ports**
- **Expansion bus can be used to connect two IMR2/QuIET evaluation boards together**

- **Functions as an IEEE 802.3-compliant, managed repeater**
- **Includes AMD's Advanced Monitoring (AMON) software to evaluate all IMR2 management functions**
- **Complete support documentation provided**

GENERAL DESCRIPTION

The IMR2/QuIET Evaluation Kit is an evaluation platform for the Am79C983 Integrated Multiport Repeater 2 (IMR2) and the Am79C988 Quad Integrated Ethernet Transceiver (QuIET). When used in an ISA-bus host system, the evaluation board functions as a managed 10BASE-T repeater. Twelve 10BASE-T ports and two AUI ports are provided. The expansion bus cable can be used to interconnect two evaluation boards to construct a larger port count repeater.

The evaluation kit includes AMD's Advanced Monitoring (AMON) software. AMON is a menu-driven, MS-DOS software program that can be used to access various registers in the IMR2 device, including the IEEE 802.3 Repeater MIB and RMON MIB counters. By providing the user with extensive control of the IMR2 management functions, AMON will aid in the software development of IMR2-based managed repeaters.

Port switching capability is supported by the evaluation board and the AMON software program. Port switching allows each twisted pair port to be switched individually via software to either of the two IMR2 devices on the evaluation board.

The evaluation board provides on-board LED displays for full evaluation of the LED capabilities of the IMR2 device. The AMON program can be launched directly from the 3.5" diskette or installed on a local hard drive. The IMR2/QuIET evaluation board is not intended to be a vehicle for Electro Magnetic Compliance (EMC) testing.

IMR2/QUIET EVALUATION KIT CONTENTS

- ISA adapter board
- AUI extension cable w/metal bracket (Qty. 2)
- 12-port RJ-45 connector
- 12-port RJ-45 connector cable
- Expansion bus jumper cable
- 3.5" diskette with AMON evaluation software
- IMR2/QuIET Technical Manual
- IMR2/QuIET Evaluation Kit User's Manual
- Am79C983 IMR2 Data Sheet
- Am79C988 QuIET Data Sheet
- IMR2/QuIET Evaluation Board Schematics
- IMR2/QuIET Product Brief
- Business Reply Card

The AMD Ordering Part Number for this evaluation kit is: IMR2/QuIET-EVAL-KT.

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