

FRONT

PICTURE 1

October 9, 1990

This package contains an update to the IBM Personal System/2 *Hardware Maintenance Reference* manual (part number 15F2190, form number S15F-2190-00).

Instructions for updating the manual are on page ii.

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Part Number 15F2290

Form Number S15F-2290-00

Instructions

To update your manual, follow the instructions below.

Remove from your reference manual

Insert from this package

No removals

IBM Personal System/2 Adapter/A for Ethernet Networks supplement behind the "Options and Adapters (Micro Channel)" tab.

1.0 IBM Personal System/2 Adapter/A for Ethernet Networks

The IBM (*) Personal System/2* Adapter/A for Ethernet (**) Networks is designed for Personal System/2 Micro Channel* computers. It provides an interface between the computer and an Ethernet local area network (LAN).

The adapter has the following features:

- Shared memory interface
- 16 Kbyte memory (shared with Micro Channel bus throughput)
- No Micro Channel bus DMA channels required
- 16-bit data, 24-bit address interface to Micro Channel bus
- Two external connectors:
 - D-Shell connector, 10BASE5 AUI type cable (thick)
 - BNC T-connector, 10BASE2 type cable (thin)
- 10 Mbps operation, CSMA/CD
- Standards supported:
 - IEEE 802.3, 10BASE5 (D-Shell connector, AUI type thick cable)
 - IEEE 802.3, 10BASE2 (BNC T-connector, type thin cable)
 - IEEE 802.3, 10BASET (twisted pair cable) via medium attachment unit (MAU).
- On-board transceiver for IEEE 802.3, 10BASE2 (BNC) type interface
- Programmable Option Select (POS) allows configuration by software
- Erasable programmable read only memory (EPROM) contains power-on self test (POST) and remote program load (RPL) features.

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Subtopics

1.1 Adapter/A Jumper Settings

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The following figure shows the adapter jumper settings.

- 1 BNC T-connector (10BASE2 (BNC) type coaxial thin cable)
- 2 D-Shell connector (10BASE5 (AUI) type thick cable).

PICTURE 2

1.2 Specifications

Environment

- Temperature:
 - Operating: 0° to 55°C (32° to 131°F)
- Humidity:
 - Operating: 10% to 90% (non-condensing)

Electrical

Input voltages: +5Vdc (950 mA typical) and +12 Vdc (used for external transceiver only) via AUI cable and MAU.