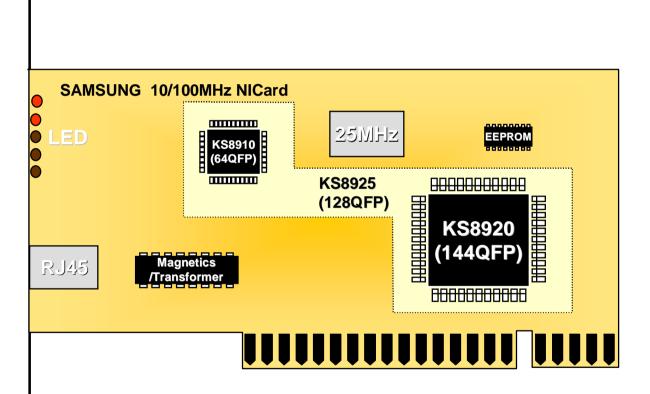


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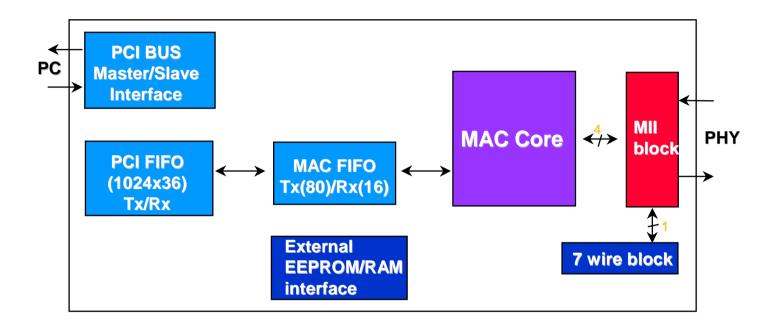




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### Main Features of KS8920



- Operating Voltage : 3.3V
- Power consumption : 100mW
- Process : CMOS 0.5um
- Package :144QFP
- Engineering Sample : Now



- PCI rev 2.1Compatible ; 16MHz/33MHz clock operation
- Direct connection to PCI, with no glue logic
- Large DMA FIFO buffer(1024x36) ; No external buffer memory required
- DMA engine using PCI burst mode ; For effective data transfers
- Transmit polling mode ; Minimize system overhead to initiate transmission
- Transmit wake-up control ; Minimize system latency to initiate transmission
- Receive early-notify control ; Minimize system latency to processing received packet
- Optional ROM or EEPROM ; Provides nework address and configuration information



- 16Byte Receive FIFO Buffer ; Allow DMA Latency during PCI burst
- 80Byte Transmit FIFOBuffer ; For data retransmit after collisions
- Station management signaling ; To set external physical layer configuration and link negotiation
- Little/Big Endian translation
- On-chip CAM ; Address recognition for network traffic filtering
- Optional external CAM ; To support hub and bridge applications with many addresses
- Pause operation ; H/W support for full duplex flow control
- PAD generation ; Ease of processing, reduced processing time
- Power Management ;Minimize power consumption connected to quiet network



- IEEE/ISO/IEC standard compliance
- 2.5MHz for 10Mbps and 25MHz for 100Mbps
- MII compliant interface(4bit) ; Can be used with many 100Base-T physicals
- 7-wire interface(1bit) for existing 10Mbps network



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## **Customer Support Programs**

#### Setup Program

- User kindly Diagonostic program for DOS or Windows 95
- **EEPROM Writing Program for Mass production**
- Software Driver Programs
  - Netware ODI Client for DOS and O/S 2
  - ODI Driver for NetWare Servers 3.1x and 4.x series
  - Packet Driver TCP/IP for DOS
  - NDIS 2.01 Driver for Window95 & WG 3.11& O/S 2
  - NDIS 3.0 Miniport Driver for Win95 and Windows NT3.51/4.0 Advanced Server

Evaluation Board

Documentations

ALSO, YOU CAN GET THE DRIVE SOFTWARE AND ALL DOCUMENTATIONS FROM OUR WEB SITE(http://www.korea.samsungsemi.com)



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# **Delivery Schedules**

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- End of April '98
  - Engineering Samples
  - Evaluation Software description
    - ⇒ ODI DOS version, Windows NT/95 Miniport Driver for NDIS3.0
  - Basic Diagonostic (for DOS ver.)
  - Evaluation Board
  - Documentations
- Edn of July '98
  - Customer Samples
  - User kindly DiagonosItic program (for Windows Ver.)
  - EEPROM Program for Manufacturing
  - Additional Device Drive Software for KS8920 evaluation
    - Windows95 Miniport Driver for NDIS3.0
    - ⇒ NETWARE ODI Series, NDIS 2.01,3.0 Series, PACKET DRIVER
  - Documentations

