





- 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 network address and configuration information

- 16Byte Receive FIFO Buffer ; Allow DMA Latency during PCI burst
- 80Byte Transmit FIFO Buffer ; 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

- **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>)***

## ■ 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 Diagonoslitic 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