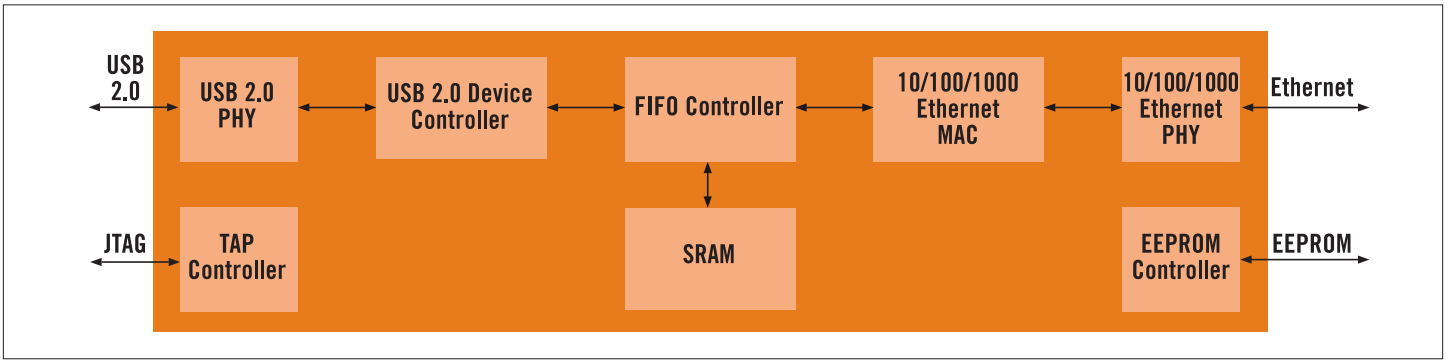
Key Features

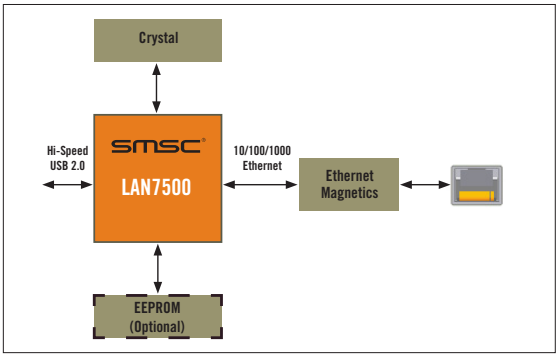
Benefits

NetDetach technology	Allows CPU to enter low-power state when Ethernet is inactive
UniClock technology utilizing a single 25MHz crystal	Reduces BOM component count and cost
Multiple Operating Systems supported: Windows 7, Windows XP, Windows Vista®, Windows CE, PXE, DOS ODI, Mac and Linux.	Diverse applications supported
PME pin wake-up support	Reduces system power requirements
Supports TCP segmentation offload and full hardware TxRx checksum offloads (IPV4, IPV6, TCP, UDP)	Reduces CPU loading

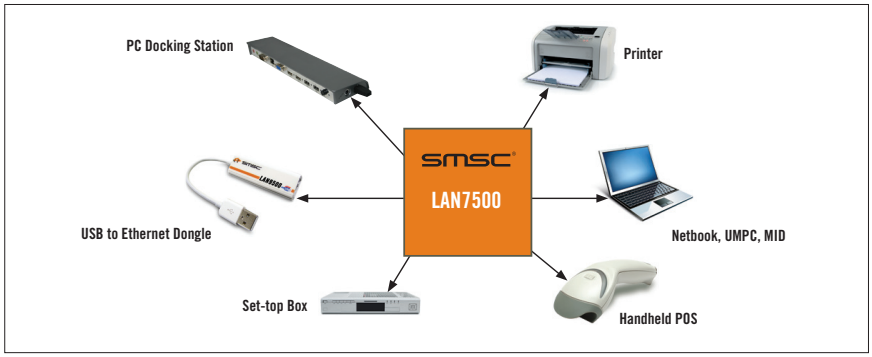
LAN7500 Block Diagram



LAN7500 Application Diagram



LAN7500 Target Applications



Which USB to Ethernet Controller is Right for Your Design?

	Ethernet	Host Interface	NetDetach Technology	UniClock Technology	Industrial Temp Option (-40° to 85°C)	Pin & Package
LAN7500	10/100/1000	USB 2.0	Yes	Yes	LAN7500i	56-pin QFN
LAN9500A	10/100	USB 2.0	Yes	Yes	LAN9500Ai	56-pin QFN

LAN9500A is SMSC's USB 2.0 to 10/100 Ethernet product with NetDetach and UniClock technologies in a small 56-pin QFN package

*HP Auto-MDIX eliminates the need for special "crossover" cables when connecting LAN devices together.
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