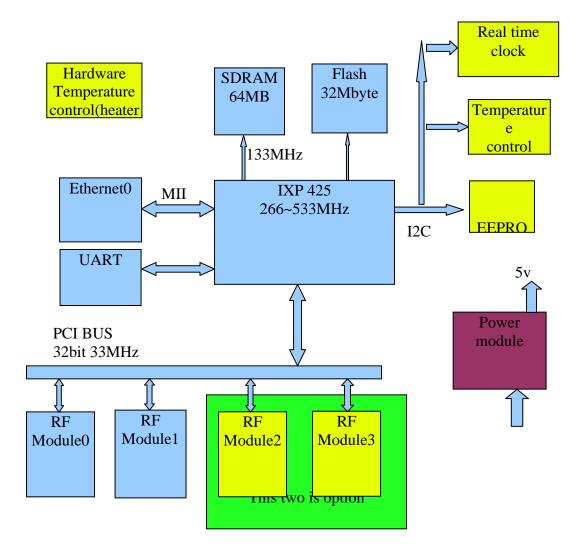
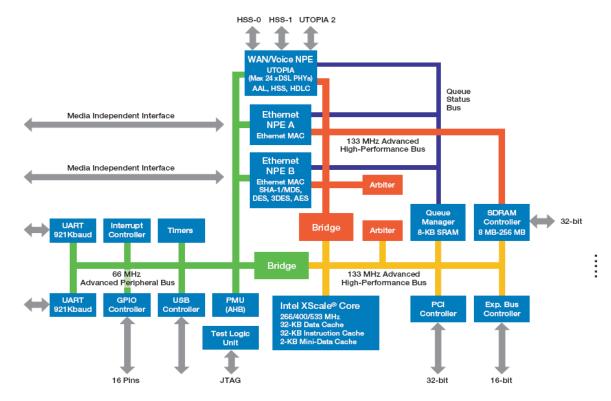


## System Block Diagram



Yellow box is new. Purple box is changed

## IXP425 block diagram



Intel® IXP425 Network Processor

## BANK 0 BANK 1 SMD DATA[15:0] DQ[15:0] SDM\_DATA[15:0] SDM\_DATA[31:0] DQ[15:0] ► A[12:0] A[12:0] SDM\_ADDR[12:0] SDM\_CS\_N0 SDM\_CS\_N[1:0] SDM\_RAS\_N SDM\_CAS\_N SDM\_CS\_N1 CS# CS# RAS# RAS# CAS# SDM\_CAS\_N CAS# SDM\_WE\_N WE# WE# SDM DQM[1:0] SDM\_DQM[1:0] SDM\_\_DQM[3:0] DQM[1:0] DQM[1:0] SDM\_BA[1:0] ► BA[1:0] ▶ BA[1:0] CKE SDM\_CKE CKE CLK SDM\_CLKOUT CLK DATA[16:31 SDRAM#1 SDRAM#1 SDM\_DATA[16:31] DQ[15:0] ➤ DQ[15:0] Intel® ►A[12:0] IXP4XX Product ➤ A[12:0] SDM\_CS\_N1 Line ➤ CS# CS# and IXC1100 ➤ RAS# RAS# Control CAS# CAS# Plane Processors ➤ WE# ➤ WE# SDM\_DQM[3:2] SDM\_DQM[3:2] DQM[1:0] **→** DQM[1:0] ➤ BA[1:0] ➤ BA[1:0] ➤ CKE ➤ CKE CLK CLK SDRAM#2 SDRAM#2 B2249-01

## Dual Bank SDRAM System Block Diagram (x16 Devices)

