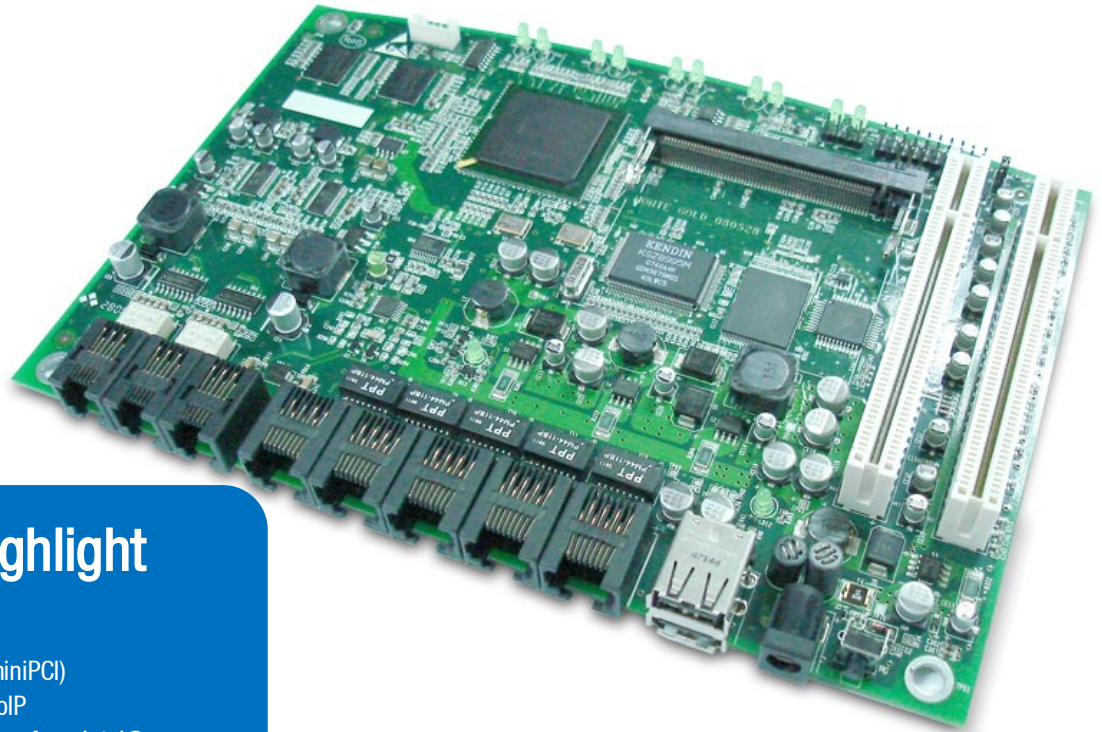


Monte Gold Reference Platform

Based on Intel® IXP435 Network Processor



Product

Highlight

- Intel® IXP435 network processor
- 4 PCI Interfaces (2 PCI slot and 2 miniPCI)
- 5 ports WLAN + LAN and 3 ports VoIP
- Easy software and platform migration from Intel® IXP42X, IXP45X, and IXP46X based solutions.

Product

Overview

Monte Gold is a full-featured reference platform based on Intel® IXP435 network processor with up to 667MHz core frequency that provides ample performance headroom for next-generation network applications. It also comes with 4 PCI interfaces (2 PCI slots and 2 miniPCI slots). These allow further extension of applications to have, for example: Gigabit network with Gigabit PCI interface card or Wireless network with IEEE 802.11a/b/g/n miniPCI type III interface card. Monte Gold provides sufficient network ports and VoIP ports for various development needs.

In addition to Monte Gold, the IXP435 network processor is positioned to enable both cost sensitive Gateways and Converged Access Platforms (CAP). It can be applied in many occasions such as wireless residential gateways with network attached storage and print server capability, security solutions providing VPN terminal, and complete VoIP solutions for SOHO.

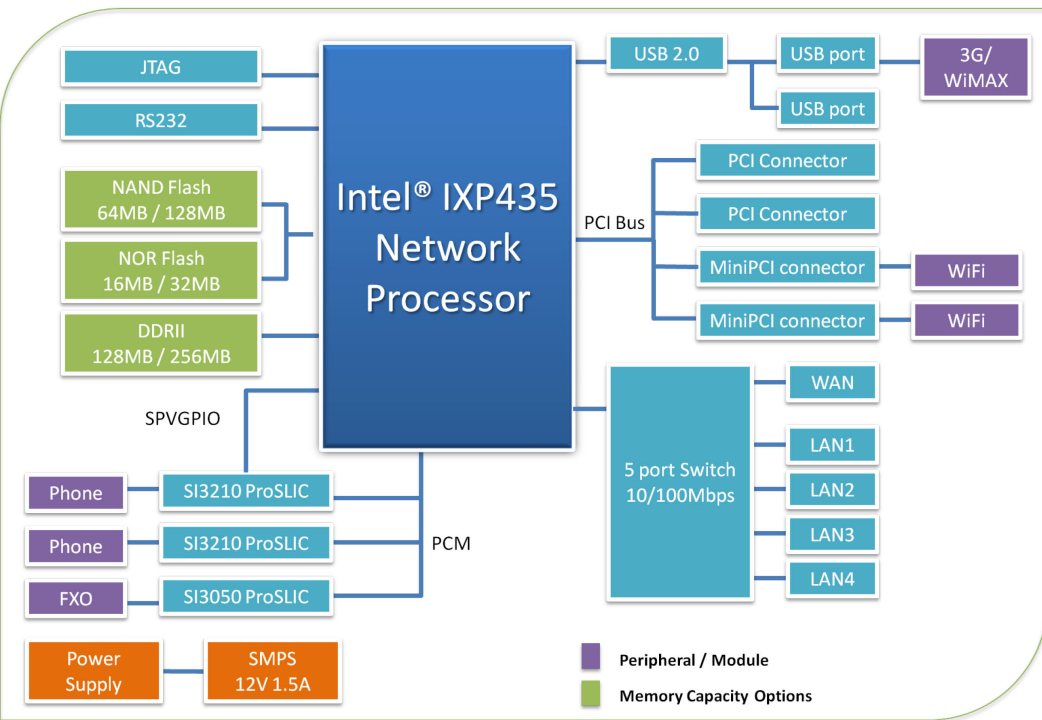
The Monte Gold reference platform allows developers to adopt and customize platform design easily, and quickly develop a desired solution, which evidently reducing time-to-market. Moreover, this platform can help ODM and OEM to have more efficient ways to deliver feature-rich solutions and create enhanced embedded applications to meet their needs.

With our leading development experience of IXP43X network platforms, Flexcomm can provide strong technical support on this product and to fulfill customers' requirements.



Block

Diagram



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Hardware

Features

Features	Description	
Processor System	CPU	Intel® IXP435 network processor
	Core	Intel XScale® processor
	Clock Speed	400MHz / 533MHz / 667MHz
Chipset	Switch Controller	5 port 10/100Mbps Switch Controller
Memory	Type	DDR2 400MHz
	Capacity	128MB (default) / 256MB
Flash	NOR Flash	16MB (default) / 32MB NOR Flash
	NAND Flash	64MB / 128MB NAND Flash (optional)
Wireless Communication	WiFi	2 x IEEE 802.11a/b/g/n miniPCI module (optional)
	3G	Support 3G USB dongle (optional)
	WiMAX	Support WiMAX USB dongle (optional)
Wired Communication	WAN	1 x 10/100Mbps Fast Ethernet (FE) RJ45 port
	LAN	4 x 10/100Mbps Fast Ethernet (FE) RJ45 port
Other ports and interfaces		2 x miniPCI type III slot (32-bit, 33MHz) 2 x 3.3V PCI slot (32-bit, 33MHz) 2 x High Speed USB 2.0 host port 2 x RJ11 FXS telephone port for VOIP 1 x RJ11 FXO port for PSTN 1 x RS-232 pin header 1 x JTAG debugger and emulator interface
Power Supply	DC	12V DC input, 1.5A
Board Dimension		201mm x 142mm

SDK

- Redboot 2.04
- Linux Kernel 2.6.16
- Root file system
- Timesys tool chain
- VxWorks BSP
- User Manual



Product specifications, size and shape are subject to change without notice, and actual product appearance may differ from that depicted herein.

