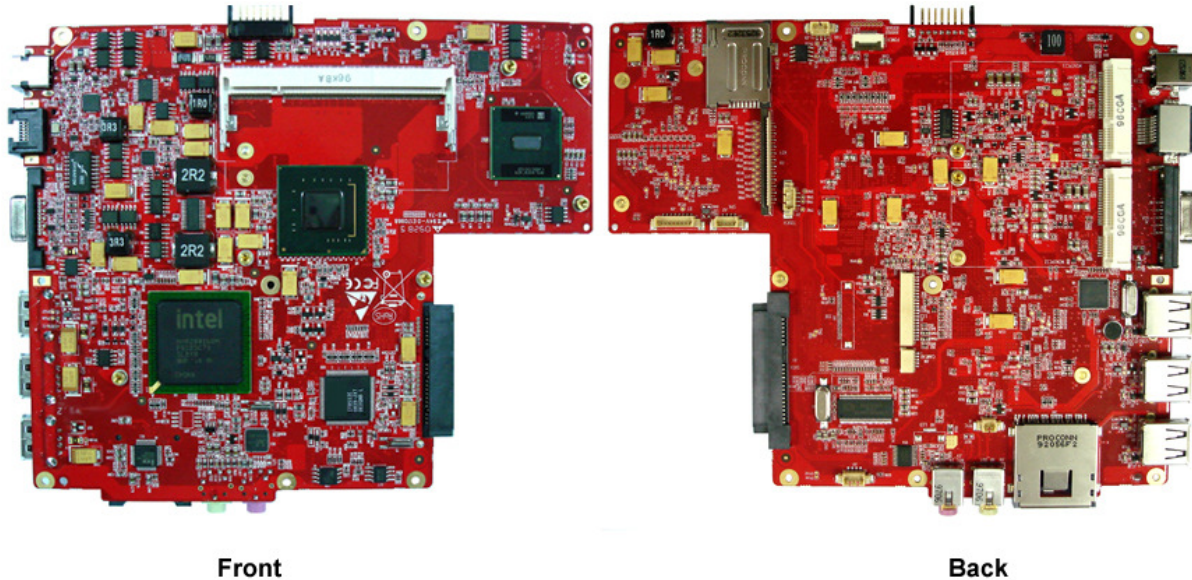


## Flexcomm SaltRiver Product Brief



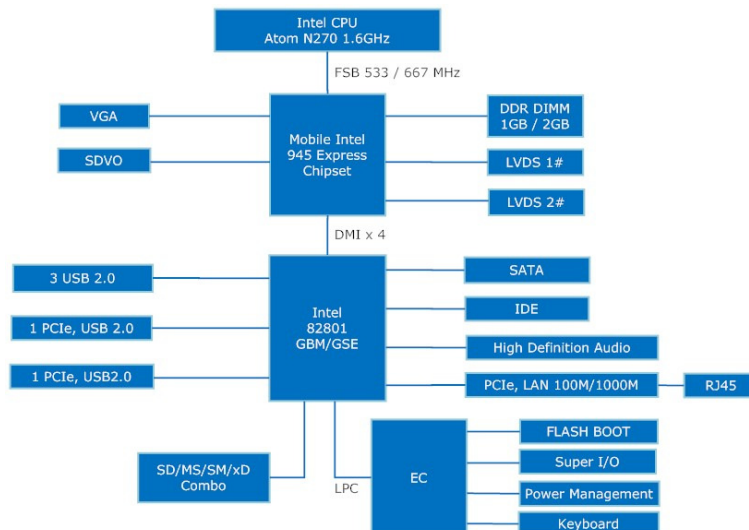
### Product Overview

**Flexcomm SaltRiver** is a feature rich PCBA powered by Intel Atom N270 and ready to integrate with other parts or components to be manufactured as an end product. This PCBA is cost-optimized and delivers robust performance-per-watt for cost-effective solutions. It is validated with the Mobile Intel 945GSE Express chipset, and consisting of the Intel 82801GBM (ICH-7-M). This PCBA provides rich I/O capabilities and flexibility via high-bandwidth interfaces such as PCI-E, SATA, and Hi-Speed USB 2.0 connectivity. It also includes a single channel for 667 MHz DDR2 system memory, and high definition audio and video system.

**Flexcomm SaltRiver** comes with strategic industrial design and integration while providing cost-effective solutions. Making less or minimum design time to meet customers' marketing strategies with our strength and experience in embedded system industries.

**Flexcomm SaltRiver** is FCC, CE, and RoHS compliant. Flexcomm would like to support customer development to expedite customized design and to maximum customers' benefit.

### Block Diagram



## Product Highlight

- Netbook / Ultra Portable WiFi/3G Computer PCBA solution ready
- Intel Atom processor N270 at 1.6GHz core speed with 533 MHz AGTL+ FSB and 2.5 watts thermal design power (TDP)
- Hyper-Threading Technology provides high performance-per-watt efficiency
- Enhanced Intel SpeedStep Technology reduces average system power consumption
- Ready for end product integration.
- Allow Custom make based on customers' request.
- FCC, CE, and RoHS compliant.

## Hardware Features

Features	Description	
<b>CPU</b>	Model	Intel Atom N270
	FSB	533MHz
	Frequency	1.6G dual core
<b>Chipset</b>	Model	Intel 945 GSE
<b>RAM</b>	Model	DDRII
	Size	1G/2G
<b>Storage</b>	Connector Type	SATA/ IDE
	Size	2.5 inch
	Storage capacity	120GB, 160GB
<b>OS</b>	Support Windows XP, Linux (Vista not supported)	
<b>LCD Dual Channels LVDS</b>	LCD Size	8.9 / 10.1 / 10.2 /11.6 / 12.1
	Resolution	1024X576 (600) , 1600X1200
<b>Audio</b>	Channel	2.1
	Speaker	2 Max 2.5W/8 ohm
	MIC IN	1 (on board)
	Volume OUT	1
<b>LAN</b>	Type	100M, 1000M Gigabit Ethernet
	Connector	RJ45
<b>WLAN</b>	Mini PCIe	2
	Antennas	2
	WiFi	802.11a/b/g/n
	3G	TD/CDMA
<b>Keyboard</b>	Type	US or others 85 Keys
	Model	BYD or other compatible, 6105, DDKing, KB005, BYD
<b>Touchpad</b>	Synaptics TM-00450-001, QTC TCH01	
<b>Bluetooth</b>	Optional	
<b>Card Reader</b>	SD / MMC / MS / MS pro	
<b>Camera</b>	1.3 Megapixel	
<b>Amplifier</b>	8 ohm 1W (pair)	
<b>Battery</b>	Capacity	11.1V / 2200mAH
	Connector	7 PIN
<b>Power</b>	AC	110 ~ 240V
	DC	12 - 20V < 65W
<b>External Connector</b>	DC-IN	1
	USB 2.0	3
	VGA	1
	MIC-IN	1
	Audio Out	1
	Card Reader	1
	Battery COMM	1
	SIM Card	1
<b>Internal Connector</b>	RJ45	1
	Keyboard	24 PIN
	DDRII	1
	LVDS	1
	TP	1
	Speaker	2
<b>LED Indicator</b>	RTC	1
	PCIe	2
<b>LED Indicator</b>	Power / Suspend, Battery, Battery Charge, HDD, Caps Lock, Num Lock, Wireless LAN status (allow custom make)	

<b>Function Key</b>	Touch pad ON/OFF	Fn + F4
	WiFi ON/OFF	Fn + F1
	Mute	Fn + F3
	Brightness UP	Fn + F7
	Brightness Down	Fn + F6
	LCD / VGA switch	Fn + F5
	Volume UP	Fn + F9
	Volume Down	Fn + F8
	Backlight ON/OFF	Fn + F10
	Standby	Fn + ESC
	Bluetooth ON/OFF	Fn + F2
<b>Boot up Logo</b>	Custom make	
<b>Battery Information</b>	Custom make	
<b>Board Information</b>	Custom make	

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