Shuttle SH87R6 Marketing Spec.

1. Key feature
   Intel H87 express chipset
   Support Intel Core i7/i5/i3 socket 1150 CPU
   PCI Express X16 Gen. 3.0 support
   Mini-PCIE socket support
   7.1 Channel HD audio support
   Support USB 3.0
   Support SATA 6G
   New R6 front panel design

2. Target market
   Mainstream DIY user
   Project customer

3. Product Life cycle
   From Jun 2013 to Jun 2014

4. Chassis
   Shuttle R6 chassis
5. Power supply
   300W 80 Plus PFC active power supply

6. Launch date
   2013 Jun.

Project Create Application Form

Items		Contents	Foot Print	Remark
Main Spec.	CPU	Socket type	Socket 1150	
		Vender	Intel	
		Core i3/i5/7 support	Yes	
	Chipset	North bridge	N/A	
		South bridge	Intel H87	
	Memory	Memory type	DDR 3	
		Frequency	1333 Mhz	
		Dimm slot	240pin X 4	
		Dual channel	Yes	
		Max. memory per Dimm	8 GB	
		Max. memory	32 GB	
	Audio	Codec	Realtek ALC892	
		Channel	HD 7.1 channel	
		S/PDIF out	Yes	
	Ethernet	Chip	Realtek 8111G	
		Bandwidth	Gigabit	
		Wake on LAN	Yes	
	Storage	SATA bandwidth	6.0 Gbs	
		RAID support	Yes	
	Expansion slot	PCI-E X16 Gen2.0	1	
		PCI-E X4	1	
		Mini-PCIE full size	1	m-SATA
		Mini-PCIE half size	1	
	Front Panel I/O	Power button	1	
		Power Led	1	blue
		HDD Led	1	yellow
		USB 3.0	2	
		USB 2.0	1	
		USB2.0 with charger	1	
		Line-out	1	
		Mic-in	1	

Items		Contents	Foot Print	Remark
Main Spec.	On board connector	4 Pin fan connector	2	
		3 Pin fan connector	N/A	
		SATA 6 connector	4	
		IDE connector	N/A	
		Floppy connector	N/A	
		ATX main power (2*10)	1	
		ATX 12V power (2 *2)	1	
	On board header	2X5 pin USB header	1	
		AUX_in header	Yes	
		S/PDIF out	1	
		RS232 header	1	
		LPC header	1	
		GPIO header (1 *5)	1	
		Front audio header	1	
		Front USB2.0 header	1	
		Front USB3.0 header	1	
	Thermal	CPU	Heat-pipe	3 pipes
		North bridge	N/A	
		South bridge	Sink	
		PWM MOS	Sink	
	BIOS	AMI 32Mb	SPI interface	
		Hardware monitor	Yes	
	Back panel	USB 2.0	4	
		DVI-I	1	
		HDMI	1	
		USB3.0	2	
		Lan port	1	
		Esata port	1	
		Audio front out	1	
		Audio side out	1	
		Audio rear out	1	
		Audio center out	1	
		Audio Line-out	1	
		Clear CMOS	1	

		Wireless port perforation	3	
		PS/2 keyboard	N/A	
		PS/2 mouse	N/A	
	Other Features	PCB layer	4	
		Solid Capacitor	Yes	
		PWM phase	3	
		Dimension	TBD	
Power supply		Wattage	300W	
		PFC requirement	Yes	
		80 PLUS	Yes	
Pre-install cable		SATA cable	1	For ODD
		IDE cable	N/A	
		SP/DIF out cable	1	
Accessory box		Quick guide	1	
		XPC DVD Driver	1	
		SATA cable	1	For HDD
		Heat-sink compound	1	
		Screw pack	1	
		Power cord	1	
Others	Safety	CB	Yes	
		BSMI	Yes	
		ETL	Yes	
	EMI	FCC	Yes	
		CE	Yes	
		BSMI	Yes	
		C-Tick	Yes	
	Microsoft	Win7 Premium logo	Compatible	
	Energy star		Yes	
	EupLot 6		Yes	