

## ErP(Energy-related Product)

The aim of ErP Directive 2009/125/EC is to lower the energy consumption of these products by means of environmentally friendly design ("Eco design"). For this reason, applicable standards have been developed for each product group applicable throughout the EU.

ErP Support determines whether to let the system consume less than 1W of power in S5 (shutdown) state.

When the setting is enabled, the following four functions will become unavailable: PME Event Wake Up, Power On By Mouse, Power On By Keyboard, and Wake On LAN.

The "ErP" BIOS only works on **S5**. (Neither S3 , nor S4)

According to Compatibility Report and actually test it in Wndows,  
The function only works when system goes into S5.

### Compatibility Report For ERP Issue

Power Supply	ATX Power					Note
(Full Loading Mode) Windows 7 with Prime 95 Full Loading Test	(+12V)	1.00	A	12	W	Prime95 Version 259
Full Loading Total Watt	12 (W)					
S3 mode: Measure the current value when system in S3 mode of windows and without running any	(+12V)	0.06	A	0.72	W	
Suspend Total Watt	0.72 (W)					
Win. Idle mode: Measure the current value when system in windows mode and without running any program	(+12V)	0.64	A	7.68	W	
Idle Total Watt	7.68 (W)					
Power on - Boot sequence: Measure the maximum current value of between system power on and boot-up to O.S.	(+12V)	0.98	A	11.76	W	
Power On Total Watt	11.76 (W)					
S5 mode: Measure the current value when system in S5 mode of windows and without running any	(+12V)	0.05	A	0.6	W	Erp disable
Suspend Total Watt	0.6 (W)					
S5 mode: Measure the current value when system in S5 mode of windows and without running any	(+12V)	0.03	A	0.36	W	Erp Enable
Suspend Total Watt	0.36 (W)					

The LED2(Standby Power LED ) will shutdown when you enable “ErP” then go into S5.

### **EMB-BT1 LED2 location**

