

FT72-B7015 Power Consumption Estimated								De-Rating		
Item	Parts	Consumption (W)	Q'ty	12V	5V	3.3V	5VSB	100%	50%	Idle
1	MB : S7015	89.05	1	0.44	10.46	4.16	3.55	50%	40%	30%
2	CPU: Intel W5580	130.00	2	21.67				75%	60%	45%
3	Memory (1066 DDR3 4GB Moudle)	12.10	12	12.10	0			85%	68%	51%
4	3.5" SATA HDD 2TB ST32000542AS	6.8	1	0.42	0.36			80%	64%	48%
5	12038 System FAN	38.00	3	9.50				100%	80%	60%
6	PCI-E GPU Card 250W	250	8	166.67				80%	64%	48%
	Sub-Total (A)	12V current		212.29	10.82	10.16	3.55			
	Sub-Total (W)			2547.52	54.10	33.53	17.74			
	Sub-Total (A) after 100% derating	174.48		170.32	5.52	4.48				
	Sub-Total (A) after 50% derating	139.58		136.26	4.41	3.58				
	Sub-Total (A) after Idle derating	104.69		102.19	3.31	2.69				
	Sub-Total (W) after derating			2043.89	27.59	14.78		2086.27	1669.01	1251.76

PSU support	Vendoe / Modle name	DC / Output	Max (A)	12V	5V	3.3V	3.3/5VSB	Efficiency of PSU		
	Emerson / DS1200-3 / 2+1 design	12V / 1.2KW	Max (A)	100/81.6	0	0	6/4	85%	91%	85%
		2+1 / 2.4KW		200/163.2			12/8	2.4KW	1.2KW	480W
			AC input	220/110						
			Total 12Vdc request =	174.48A			AC input request	2454.43	1834.08	1375.56
			Watt=	2093.74			BTU/Hr	8394	6273	4704
							110VAC	22.31	16.67	12.51
							220VAC	11.16	8.34	6.25

PS
110VAC fail when use two W5580 CPU