

Model	Rev.	COM Part No.	CPU Type	Standard Thermal Solution		Optional Semi-Heatsink / Cooler		Optional Cooler or Heatsink	
				Type	Part No.	Type	Part No.	Type	Part No.
SOM-3560	A1	SOM-3560FG-S1A1E	ATOM Z510 1.1GHz						
		SOM-3560FG-S6A1E	ATOM Z530 1.6GHz						
SOM-4455	A2	SOM-4455FL-L0A2E	Geode LX800 500MHz	Heatspreader	1960052229T001	Semi-Heatsink	1960012091T00S	Heatsink	1960004622 1960021993T00B
		SOM-4455FL-LSA2E							
		SOM-4455F-L0A2E							
		SOM-4455F-LSA2E							
		SOM-4455Z-L0A2E							
		SOM-4455Z-LSA2E							
		SOM-4455ZL-L0A2E							
SOM-4461	A1	SOM-4461FL-S6A1E	ATOM N270 1.6GHz	Heatspreader	1960035037N00B	Semi-Heatsink	1960012091T00S		
		SOM-4461Z2-S6A1E							
		SOM-4461Z-S6A1E							
SOM-4463	A1	SOM-4463D-S6A1E	ATOM D510 1.67GHz	Heatspreader	1960047537T001	Semi-Cooler	1750001980		
		SOM-4463DZ-S6A1E							
		SOM-4463DZ2-S6A1E							
		SOM-4463N-S6A1E	ATOM N450 1.67GHz			Semi-Heatsink	1960012091T00S		
		SOM-4463NZ-S6A1E							
		SOM-4463NZ2-S6A1E							
	B1	SOM-4463D-S8B1E	ATOM D525 1.8GHz	Heatspreader	1960053174N001	Semi-Cooler	1750001980		
		SOM-4463DZ-S8B1E							
		SOM-4463DZ2-S8B1E							
		SOM-4463N-S6B1E	ATOM N455 1.67GHz			Semi-Heatsink	1960012091T00S		
SOM-4463NZ-S6B1E									
SOM-4463NZ2-S6B1E									
SOM-4487	A1	SOM-4487FL-00A1E	Socket 478	Heatspreader	1960028600N00B	Semi-Cooler	1750001980		
		SOM-4487FL-M0A1E	Celeron M ULV 600MHz	Heatspreader	1960028601N00B	Semi-Heatsink	1960012091T00S		
		SOM-4487FL-S0A1E	Celeron M ULV 1GHz	Heatspreader	1960028601N00B	Semi-Cooler	1750001980		
		SOM-4487FL-S1A1E	LV P-M 1.1GHz						
		SOM-4487FL-S4A1E	P-M LV 738 1.4GHz						
SOM-5761	A1	SOM-5761FG-S6A1E	ATOM N270 1.6GHz	Heatspreader	1960028640N101	Semi-Heatsink	1960033569T00B		
		SOM-5761Z2-S6A1E							
		SOM-5761Z-S6A1E							
SOM-5781	A1	SOM-5781FS-00A1E	Socket S1 PGA type	Heatspreader	1960023313T00B	Semi-Cooler	1960019182T10B		
		SOM-5781FL-00A1E							
		SOM-5781FS-S0A1E							
SOM-5782	A2	SOM-5782FG-S1A2E	Core 2 Duo U7500 1.06GHz	Heatspreader	1960005315	Semi-Cooler	1960019182T10B		
		SOM-5782FG-S5A2E	Core 2 Duo L7400 1.5GHz						
		SOM-5782FG-S0A2E	Celeron M 423 1.06GHz						
		SOM-5782FG-00A2E	Socket 478						
SOM-5786	A1	SOM-5786FG-00A1E	Socket 478	Heatspreader	1960005316	Semi-Cooler	1960019182T10B	Cooler	1750000373
		SOM-5786FG-S0A1E	Celeron M ULV 423 1.06GHz					Cooler	1750000372
		SOM-5786FG-S6A1E	Core Duo LV 1.66GHz						
SOM-5787	A1	SOM-5787FG-S1A1E	Celeron M ULV723 1.2GHz	Heatspreader	1960046888N001	Semi-Cooler	1960048820N001		
		SOM-5787FG-S2A1E	Celeron M ULV722 1.2GHz						
		SOM-5787FG-S3A1E	Core2Duo SU9300 1.2GHz						
		SOM-5787FG-S9A1E	Core2Duo SL9400 1.86GHz						
		SOM-5787FG-U3A1E	Core2Duo SP9300 2.26GHz						
SOM-5788	A1	SOM-5788FG-S1A1E	Core i7-620UE ULV	Heatspreader	1960047959T001	Semi-Cooler	1960048820N001		
		SOM-5788FG-S9A1E	Celeron SV 1.86GHz						
		SOM-5788FG-U0A1E	Core i7-620LE LV 2.0GHz						
		SOM-5788FG-U4A1E	Core i5-520E SV 2.4GHz						
		SOM-5788FG-S3A1E	Core i7-660UE 1.33GHz						
		SOM-5788FG-U1A1E	Core i3-330E SV 2.13GHz						
		SOM-5788FG-U5A1E	Core i7-610E SV 2.53GHz						
		SOM-5788FG-S0A1E	Celeron U3405 ULV 1.07						
		SOM-5788Z-S1A1E	Core i7-620UE ULV						
		SOM-5788Z2-S1A1E	Core i7-620UE ULV						
		SOM-5788Z-U0A1E	Core i7-620LE LV 2.0GHz						
		SOM-5788Z2-U0A1E	Core i7-620LE LV 2.0GHz						
		SOM-5788Z-S3A1E	Core i7-660UE 1.33GHz						
		SOM-5788Z2-S3A1E	Core i7-660UE 1.33GHz						
		SOM-5788Z-S0A1E	Celeron U3405 ULV 1.07						
		SOM-5788Z2-S0A1E	Celeron U3405 ULV 1.07						
		B1	SOM-5788FG-S1B1E						
	SOM-5788FG-U4B1E		Core i5-520E SV w/ECC						
	SOM-5788FG-U5B1E		Core i7-610E SV w/ECC						
	SOM-5790	A1	SOM-5790FG-S5A1E	i7-2610UE 1.5G ULV	Heatspreader	1960052353N001	Semi-Cooler	1960048820N001	
SOM-5790FG-U1A1E			i7-2715QE 2.1G SV						
SOM-5790FG-U2A1E			i7-2655LE 2.2G LV						
SOM-5790FG-U5A1E			i5-25						

SOM-5890	A1	SOM-5890FG-U1A1E	Core i7-2715QE 4C SV	Heatspreader	1960052233N001	Semi-Cooler	1960048820N001		
		SOM-5890FG-U5A1E	Core i5-2515E 2C SV						
		SOM-5890FG-U0A1E	Core i3-2310E 2C SV						
		SOM-5890FG-U2A1E	Core i7-2655LE 2C LV						
		SOM-5890FG-S5A1E	Core i7-2610UE 2C ULV						
		SOM-5890Z-S5A1E	Core i7-2610UE 2C ULV						
		SOM-5890Z2-S5A1E	Core i7-2610UE 2C ULV						
	B1	SOM-5890FG-S5B1E	i7-2610UE 1.5G ULV						
		SOM-5890FG-U1B1E	i7-2715QE 2.1G SV						
		SOM-5890FG-U2B1E	i7-2655LE 2.2G LV						
SOM-5890FG-U5B1E		i5-2515E 2.5G SV							
SOM-6761	A1	SOM-6761FG-S6A1E	ATOM N270 1.6GHz	Heatspreader	1960028640N101	Semi-Heatsink	1960048815N001	Heatsink	1960049465T001
		SOM-6761Z2-S6A1E							
		SOM-6761Z-S6A1E							
SOM-6763	A1	SOM-6763N-S6A1E	ATOM N450 1.6GHz	Heatspreader	1960049022N001	Semi-Heatsink	1960048815N001		
		SOM-6763NZ-S6A1E	ATOM N450 1.6GHz						
		SOM-6763NZ2-S6A1E	ATOM N450 1.6GHz						
		SOM-6763D-S6A1E	ATOM D510 1.6GHz			Semi-Cooler	1960048819N001		
		SOM-6763DZ-S6A1E	ATOM D510 1.6GHz						
		SOM-6763DZ2-S6A1E	ATOM D510 1.6GHz						
	B1	SOM-6763N-S6B1E	ATOM N455 1.6GHz	Heatspreader	1960049022N001	Semi-Heatsink	1960048815N001		
		SOM-6763NZ-S6B1E	ATOM N455 1.6GHz						
		SOM-6763NZ2-S6B1E	ATOM N455 1.6GHz						
		SOM-6763D-S8B1E	ATOM D525 1.8GHz			Semi-Cooler	1960048819N001		
		SOM-6763DZ-S8B1E	ATOM D525 1.8GHz						
		SOM-6763DZ2-S8B1E	ATOM D525 1.8GHz						
SOM-6787	A1	SOM-6787FG-S1A1E	Celeron M ULV723 1.2GHz	Heatspreader	1960046889N001	Semi-Cooler	1960048819N001		
		SOM-6787FG-S2A1E	Celeron M ULV722 1.2GHz						
		SOM-6787FG-S3A1E	Core2Duo SU9300 1.2GHz						
		SOM-6787FG-S9A1E	Core2Duo SL9400 1.86GHz						
		SOM-6787FG-U3A1E	Core2Duo SP9300 2.26GHz						
SOM-7562	A1	SOM-7562F1-S6A1E	ATOM N450 1.67GHz	Heatspreader	1960047108N001	Semi-Heatsink	1960050950N001		
		SOM-7562F2-S6A1E	ATOM N450 1.67GHz						
	B1	SOM-7562F1-S6B1E	ATOM N450 1.67GHz	Heatspreader	1960047108N001	Semi-Heatsink	1960050950N001		
		SOM-7562F2-S6B1E							
		SOM-7562SZ-S6B1E							
		SOM-7562SZ2-S6B1E							
		SOM-7562UZ-S6B1E							
SOM-7562UZ2-S6B1E									
SOM-7564	A1	SOM-7564FG-M0A1E	Intel Atom E620 600 MHz	Heatspreader	1960053878N001	Semi-Heatsink	1960050950N001		
		SOM-7564FG-S3A1E	Intel Atom E660 1.3 GHz						
		SOM-7564FG-S6A1E	Intel Atom E680 1.6 GHz						

Heatspreader A flat surface for heat conduction, it isn't a completed thermal solution, an extra heatsink or cooler is required to add on heatspreader for heat dispersing.

Heatsink With fin for heat dispersion, it is a complete thermal solution, **doesn't** need to work with heatspreader.

Cooler Heatsink with fan for heat dispersion, it is a complete thermal solution, **doesn't** need to work with heatspreaer.

Semi-Heatsink A Heatsink assemble with **"heatpreader"** to be a completed thermal solution, need to work with hestspreader.

Semi-Cooler A Cooler assemble with **"heatspreader"** to be a completed thermal solution, need to work with heatspreader.

- Note**
1. The Semi-Heatsink or Semi-Cooler is a preferred thermal solution. Heatsink or Cooler might have MOQ.
 2. For detail info of Thermal solution, please visit [Http://com.advantech.com](http://com.advantech.com)

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