

▶ INDUSTRIAL COMPUTER CHASSIS Selection Guide

Selection Guide



Height (1U = 1.75")			Desktop / Wallmount						
Model Name			EBPC-3500	EBPC-5250	ARK-6610/ARK-6620	ARK-6622H/L	AIMB-C200-BARE/ AIMB-C200-18ZE	AIMB-C600	IPC-5122
Form Factor Support			3.5" Biscuit SBC	5.25" Biscuit SBC	Mini-ITX	Mini-ITX	Mini-ITX	MicroATX	MicroATX
Drive Bay	Slim Optical Drive		-	1	1/-	-	-	-	1
	3.5"	Front	-	-	-	-	-	-	1
		Internal	1 x 2.5"	1	1/1	1 x 2.5"	1 x 2.5"	2	1
	5.25"		-	-	-	-	-	1	-
Front I/O	USB		Yes	Yes	Yes (on motherboard) + 2 cutouts	Yes (on motherboard)	Yes	Yes	Yes
	PS/2		Yes	Yes	Yes (on motherboard)	Yes (on motherboard)	-	-	-
Cooling	No. of Fans		1	1	1/2	2/1	-	1	1
	CFM		11.4	27.5	52.5 /27.72	27.7/15.5	-	17	85
Power	AC		-	180 W ATX	180 W ATX/PFC 270 W ATX/PFC	-	-/55W ATX	300 W SFX	300 W ATX/PFC 400 W ATX/PFC
	AC Redundant		-	-	-	-	-	-	-
	DC		46 W	-	-	-	-	-	-
No. of Slots / No. of Full-size Cards			-	2/0	1/0	1/0	-	4/0	4/0
Passive Backplane Options	PICMG 1.0		-	-	-	-	-	-	-
	PICMG 1.3		-	-	-	-	-	-	-
System Fault Detection			-	-	Yes	Yes	Yes	-	Yes
Dimensions (W x H x D)	mm		230 x 70 x 175	248 x 118 x 298	250 x 156 x 253 (ARK-6610)/ 272 x 88 x 232 (ARK-6620)	272 x 88 x 232	230 x 65 x 215	326 x 134 x 348	157 x 360 x 340
	inch		9.1 x 2.8 x 6.9	9.8 x 4.6 x 11.7	9.8 x 6.1 x 10 (ARK-6610)/ 10.7 x 3.5 x 9.1 (ARK-6620)	10.7 x 3.5 x 9.1	8.9 x 2.53 x 8.38	12.8 x 5.3 x 13.7	6.2" x 14.2" x 13.4"
Weight	kg		1	2.5	4.8 (ARK-6610) / 3.5 (ARK-6620)	3.49	2.5	4.6	6.5
	lb		2.2	5.5	10.5 (ARK-6610) / 7.7 (ARK-6620)	7.68	5.5	10.1	14.3

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Desktop / Wallmount							
IPC-5120/7120	IPC-7220	IPC-6006	IPC-6806	IPC-6908	IPC-3026	IPC-6025	IPC-6608/6606
MicroATX/ATX	ATX/MicroATX	PICMG 1.0	PICMG 1.0	PICMG 1.0/1.3	PICMG 1.0/1.3	PICMG 1.0/1.3	PICMG 1.0/1.3
-	-	-	-	-	-	-	-
1	1	-	1	1	-	1	1
1	1	-	1	1	1	1	-
1	2	-	1 (IPC-6806W) 0 (IPC-6806/6806S)	2	-	-	2 (IPC-6608) 1 (IPC-6606)
Yes (on motherboard)	Yes	-	Yes	-	Yes	Yes	Yes
Yes (on motherboard)	Yes	-	-	-	-	-	-
2	1	-	1	2	1	1	1
1 x 85 1 x 10	85	-	58 (IPC-6806W) 53 (IPC-6806/6806S)	53	53	53	85 (IPC-6608) 53 (IPC-6606)
250 W ATX/PFC 300 W ATX/PFC	300 W ATX/PFC 400 W ATX/PFC	-	150 W ATX/PFC (IPC-6806S) 250 W ATX/PFC (IPC-6806) 300 W ATX/PFC (IPC-6806W)	250 W ATX/PFC 300 W ATX/PFC 400 W ATX/PFC	150W ATX/PFC	270 W ATX/PFC	250 W ATX/PFC 300 W ATX/PFC 400 W ATX/PFC
-	300 W 1+1 400 W 1+1	-	-	300 W 1+1	-	-	-
-	300 W ATX	-	-	300 W ATX	-	-	-
7/0	7/7	6/6 (IPC-6006/6006P) 6/0 (IPC-6006S)	6/0 (IPC-6806S) 6/6 (IPC-6806/6806W)	8/8	6/0	5/5	8/8 (IPC-6608) 6/6 (IPC-6606)
-	-	refer to Chapter 11					
-	-	refer to Chapter 11					
-	Yes	-	-	Yes	Yes	-	-
380 x 164 x 316.5	200 x 320 x 480	158 x 186 x 368 (IPC-6006/6006P) 158 x 186 x 215 (IPC-6006S)	191 x 170 x 285 (IPC-6806S) 166 x 170 x 393 (IPC-6806) 198 x 213 x 393 (IPC-6806W)	200 x 300 x 463	150 x 222 x 270	111 x 212 x 420	173 x 315 x 410 (IPC-6608) 173 x 254 x 396 (IPC-6606)
15 x 6.5 x 12.5	7.9 x 12.6 x 18.9	6.2 x 7.3 x 14.5 (IPC-6006/6006P) 6.2 x 7.3 x 8.4 (IPC-6006S)	7.7 x 6.7 x 11.2 (IPC-6806S) 6.5 x 6.7 x 15.4 (IPC-6806) 7.8 x 8.4 x 15.4 (IPC-6806W)	7.9 x 11.8 x 18.2	5.9 x 8.7 x 10.6	4.4 x 8.3 x 16.5	6.8 x 12.4 x 16.1
9	13.7	2.5 (IPC-6006/6006P) 1.6 (IPC-6006S)	5.6 (IPC-6806S) 6.3 (IPC-6806) 7.8 (IPC-6806W)	12.9	4.4	4.7	11 (IPC-6608) 9 (IPC-6606)
19.8	30.5	5.5 (IPC-6006/6006P) 3.5 (IPC-6006S)	12.3 (IPC-6806S) 13.9 (IPC-6806) 17.2 (IPC-6806W)	28.5	9.7	10.3	24.2 (IPC-6608) 19.8 (IPC-6606)

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Height (1U = 1.75")			1U Rackmount	2U Rackmount			4U Rackmount		
Model Name			ACP-1010/1320	ACP-2000/IPC-602	ACP-2010MB/ ACP-2320MB	IPC-603MB	ACP-4000	ACP-4010/ ACP-4320	ACP-4360
Form Factor Support			PICMG 1.0/1.3 ATX/MicroATX	PICMG 1.0/1.3	ATX/MicroATX	ATX/MicroATX	PICMG 1.0/1.3 ATX/MicroATX	PICMG 1.0/1.3 ATX/MicroATX	PICMG 1.0/1.3 ATX/MicroATX
Drive Bay	Slim Optical Drive		1	1/-	-/1	1	-	-	1
	3.5"	Front	1/2 (SAS/SATA)+1	2/1	1/2 (SAS/SATA)	-	1	1/2 (SAS/SATA)+1	6 (SAS/SATA) + 1
		Internal	1/-	-/1	2	1	-	1/-	-
	5.25"		-	-/1	1/-	-	3	2	-
Front I/O	USB		Yes	Yes	Yes	-	Yes	Yes	Yes
	PS/2		-	Yes	Yes	-	Yes	-	-
Cooling	No. of Fans		2 (MB), 4 (BP)	2	2/3	2	2	2/2	3
	CFM		2 x 24 (MB) 3 x 24 + 1 x 15 (BP)	2 x 47/2 x 40	2 x 47 / 2 x 47 + 1 x 28	47	85	2 x 85/ 1 x 114 + 1 x 28	1 x 114 + 2 x 47
Power	AC		250 W ATX/PFC 300 W ATX/PFC	250 W ATX/PFC (IPC-602) 300 W ATX/PFC 400 W ATX/PFC	300 W ATX/PFC 400 W ATX/PFC	300 W ATX/PFC	300 W ATX/PFC 400 W ATX/PFC	300 W ATX/PFC 400 W ATX/PFC	400 W ATX/PFC 500 W ATX/PFC
	AC Redundant		-	300 W 1+1 (ACP-2000)	-	-	300 W 1+1 400 W 1+1	300 W 1+1 400 W 1+1	400 W 1+1
	DC		-	-	-	-	-	-	-
No. of Slots / No. of Full-size Cards			1/1	6/6	3/3	3/0	15/11	15/15 (ACP-4010) 15/10 (ACP-4320)	15/9
Passive Backplane Options	PICMG 1.0		refer to Chapter 11			-		refer to Chapter 11	
	PICMG 1.3		refer to Chapter 11			-		refer to Chapter 11	
System Fault Detection			Yes	Yes	Yes	-	Yes	Yes	Yes
Dimensions (W x H x D)	mm		1010: 480 x 44 x 497 1320: 480 x 44 X 617	482 x 88 x 451	482 x 88 x 480	482 x 88 x 308	482 x 177 x 479	482 x 177 x 479	482 x 177 x 501
	inch		1010: 19 x 1.7 x 19.6 1320: 19 x 1.7 x 24.3	19 x 3.5 x 17.8	19 x 3.5 x 18.9	19 x 3.5 x 12.1	19 x 7 x 18.9	19 x 7 x 18.9	19 x 7 x 19.8
Weight	kg		8	11.5/11.3	10.7/11.7	6.4	15.2	16.6/17.6	19.5
	lb		17.6	25.3/24.9	23.5/25.7	14.1	33.5	36.5/38.7	42.9

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4U Rackmount								5U Rackmount	6U Rackmount	7U Rackmount
IPC-510	IPC-610-F	IPC-610-H	IPC-610-L	IPC-611	IPC-623	IPC-619/619S	IPC-630	ACP-5360	IPC-622	ACP-7360
PICMG 1.0 ATX/MicroATX	PICMG 1.0/1.3 ATX/MicroATX	PICMG 1.0/1.3 ATX/MicroATX	PICMG 1.0/1.3 ATX/MicroATX	PICMG 1.0/1.3 ATX/MicroATX	PICMG 1.0/1.3	PICMG 1.0/1.3 ATX/MicroATX	PICMG 1.0/1.3 ATX/MicroATX	PICMG 1.0/1.3	PICMG 1.0	PICMG 1.0/1.3
-	-	-	-	-	-	-	-	1	-	1
1	1	1	1	1	1	-	1	6 (SAS/SATA)+1	-	6 (SAS/SATA)+1
1	1	-	-	-	1	1	1	-	2	-
3	3	3	3	3	3	2/1	3	1	4	2
Yes	-	Yes	-	-	-	Yes	Yes	Yes	Yes	Yes
Yes	-	Yes	-	-	-	-	-	Yes	-	Yes
1	1	2	1	1	3	1	1	7	4	6
77	85	85	85	85	114	85	85	3 x 114 + 2 x 47 + 2 x 25	58	4 x 58 + 2 x 47
250 W ATX/ PFC 300 W ATX/ PFC	300 W ATX/ PFC 400 W ATX/ PFC	300 W ATX/ PFC 400 W ATX/ PFC	250 W ATX/ PFC 300 W ATX/ PFC	250 W ATX/ PFC 300 W ATX/ PFC	400 W ATX/ PFC 500 W ATX/ PFC	250 W ATX/ PFC 300 W ATX/ PFC 400 W ATX/ PFC	300 W ATX/ PFC 400 W ATX/ PFC	-	400 W ATX/ PFC 500 W ATX/ PFC	-
-	300 W 1+1	300 W 1+1	-	-	460 W 1+1 570 W 2+1 810 W 3+1	-	300 W 1+1 400 W 1+1	460 W 1+1 570 W 2+1 810 W 3+1	460 W 1+1	460 W 1+1 570 W 2+1 810 W 3+1
-	-	-	-	-	-	-	-	-	-	-
15/8	15/10	15/11	15/11	15/11	20/20	15/10 10/8	15/10	20/20	20/20	20/20
refer to Chapter 11										
refer to Chapter 11										
-	-	-	-	-	Yes	-	Yes	Yes	Yes	Yes
482 x 177 x 446	BP: 482 x 177 x 452 MB: 482 x 177 x 502	482 x 177 x 479	482 x 177 x 479	482 x 177 x 479	482 x 177 x 657	482 x 177 x 430/482 x 177 x 275	BP: 482 x 177 x 449 MB: 482 x 177 x 503	482 x 222 x 662	482 x 266 x 464	482 x 307 x 502
19 x 7 x 17.6	BP: 19 x 7 x 17.8 MB: 19 x 7 x 19.8	19 x 7 x 18.9	19 x 7 x 18.9	19 x 7 x 18.9	19 x 7 x 26	19 x 7 x 16.9 / 19 x 7 x 10.8	BP: 19 x 7 x 17.8 MB: 19 x 7 x 19.8	19 x 8.75 x 26	19 x 10.5 x 18.3	19 x 12.1 x 19.7
10.7	18	15	14.5	14.2	26	15 / 8	18	30	30	35
23.5	39.6	33	31.9	31.2	57	33/17.6	39.6	66	66	77