

Enjoy Tranquil Moments with Quiet Industrial Computers



i²PC
Intelligent · Industrial

Quiet

Thermal Optimization
Only 35dBA
Smart Fan Control

ADVANTECH

Enabling an Intelligent Planet

Advantech Intelligent IPCs, Now with Built-in Quiet

- Designed for noise sensitive environments, such as network communications, POS, medical systems, or offices that require noise-reduction technology.
- Featuring acoustic and thermal optimization, with Smart Fan to adjust the rotation speed while addressing both noise and cooling issues.
- Complying with the ISO 7779 Standard, noise is controlled down to as low as 35 dBA.
- Providing a range of selections at the sound level of choice, from 35 dBA on up.

35 dBA Series



ACP-4320

4U Rackmount Chassis
with Dual SAS/SATA
HDD Trays



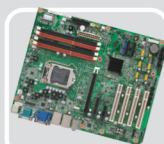
IPC-7220

Desktop / Wallmount
Chassis For ATX
Motherboard



AIMB-767

LGA775 Intel® Core™
2 Quad ATX with Dual
VGA / DVI, 4 COM,
Dual LAN



AIMB-781

LGA1155 Intel® Core™
i7/i5/i3Pentium ATX
with DVI/VGA Gigabit
LAN, DDR3, SATA III



Scan to View
Quiet IPC in Action

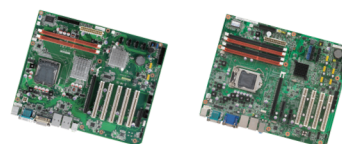
35 dBA Series

Industrial Chassis



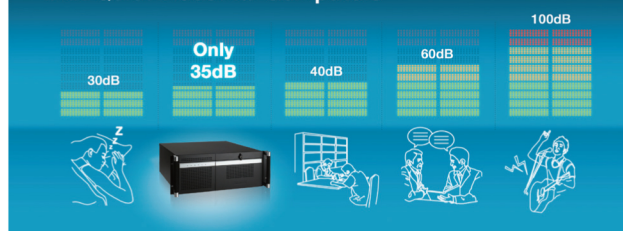
Model Name		ACP-4320	IPC-7220
Form Factor Support		PICMG 1.0/1.3 ATX/MicroATX	ATX/Micro ATX
Drive Bay	Slim Optical Drive	-	-
	3.5"	Front	1/2 (SAS/SATA)+1
		Internal	1/-
	5.25"	2	2
Front I/O	USB	Yes	Yes
	PS/2	-	Yes
Cooling	No. of Fans	2/2	1
	CFM	2 x 85/1 x 114 + 1 x 28	85
Power	AC	300 W ATX/PFC 400 W ATX/PFC	300 W ATX/PFC 400 W ATX/PFC
	AC Redundant	300 W 1+1 400 W 1+1	300 W 1+1 400 W 1+1
	DC	-	300W ATX
No. of Slots / No. of Full-size Cards		15/15(ACP-4010) 15/10(ACP-4320)	7/7
System Fault Detection		Yes	Yes
Dimensions (W x H x D)	mm	482 x 177 x 479	200 x 320 x 480
	inch	19 x 7 x 18.9	7.9 x 12.6 x 18.9
Weight	kg	16.6/17.6	13.7
	lb	36.5/38.7	30.5
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ATX Motherboards



Model Name		AIMB-767	AIMB-781
Processor System	CPU	Intel Core 2 Quad/ Core 2 Duo/ Pentium dual core/Celeron	2nd Gen Intel Core i7/i5/i3/ Pentium
	Socket	LGA775	LGA1155
	Max. Speed	3.0 GHz/3.16 GHz/ 2.93 GHz/2.2 GHz	3.4 GHz/3.1 GHz/ 3.3 GHz/2.9 GHz
	Front Side Bus	1333/1066/800 MHz	-
	Cache	L2: 12 MB/6 MB/ 8 MB/512 KB	L3: 8 MB/6 MB/ 3 MB/3 MB
	Chipset	Intel G41 + ICH7R	Q67/B65
Expansion Slot	BIOS	AMI 16 Mbit, SPI	AMI 64 Mbit, SPI
	PCI	5	4
	PCIe x 16	1	1(Gen2)
	PCIe x 1	-	1(Gen2)
Memory	PCIe x 4	1	1(Gen2)
	Technology	Dual channel DDR3 800/1066 MHz	Daul Channel DDR3 1066/1333
	Max. Capacity	8 GB	32 GB
Graphics	Socket	2 x 240-pin DIMM	4 x 240-pin DIMM
	Controller	Intel GMA X4500	Intel HD Graphics
Ethernet	VRAM	Shared system memory up to 352 MB	Shared system memory up to 1 GB
	Interface	10/100/1000 Mbps	10/100/1000 Mbps
SATA	Controller	Dual Intel 82583V	GbE LAN 1 : Intel 82579LM, GbE LAN2:Intel 82583V
	Max. Data Transfer Rate	300 MB/s	600 MB/s; 300 MB/s
EIDE	Channel	4 (SW RAID)	6 (SW RAID)
	Mode	-	-
I/O Interface	Channel	-	-
	VGA	1	1
	DVI	1	1 for QG2 version
	USB	8	14 for QG2 version 12 for QVG version
	Serial	4	6 for QG2 version
	Parallel	1	1
	FDD	1	-
	PS/2	2 (1 x keyboard and 1 x mouse)	2 (1 x keyboard and 1 x mouse)
	Ethernet (GbE)	2	2
	Audio	Mic-in, Line-out	Mic-in, Line-out
Watchdog Timer	Output	System reset	System reset
	Interval	Programmable, 1 - 255 sec/min	Programmable, 1 - 255 sec/min

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Please verify specifications before quoting. This guide is intended for reference purposes only.

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