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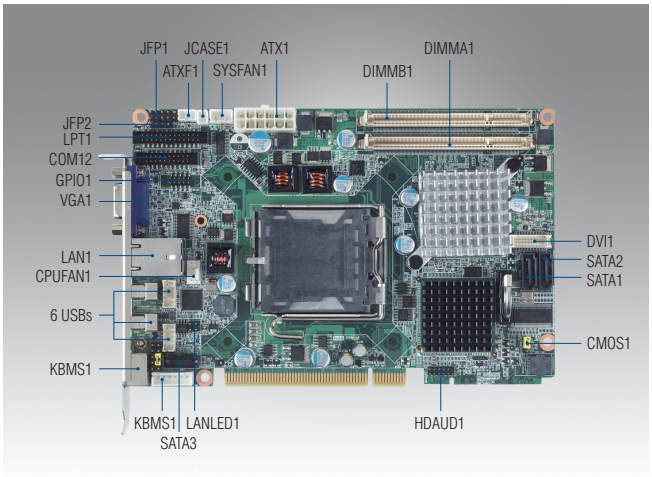
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Find the *Advantech PCI-7020VG* at our website: ***Click HERE***

PCI-7020

LGA775 Intel® Core™2 Duo PCI Half-size SBC with VGA/GbE LAN/SATA and SSD



Features

- Supports LGA 775 Intel® Core™2 Duo FSB 1066 MHz processors
- Supports dual channel DDR2 667 SDRAM up to 4 GB
- Supports 6 USB 2.0 ports
- Supports GbE LANs via PCIe x1 lanes
- Supports up to 6 COM, 4 x RS-485 w/Auto-Flow control by COM module

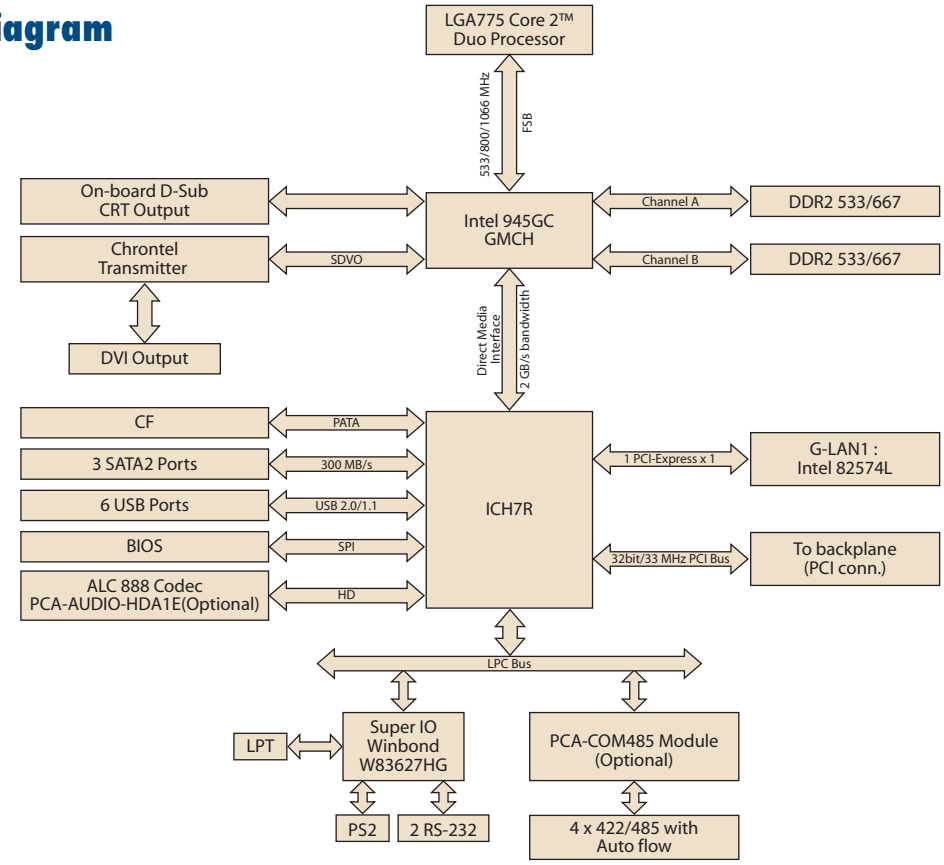
CE FCC RoHS COMPLIANT 2002/95/EC

Specifications

Processor System	CPU	Core 2 Duo	
	FSB	1066 MHz	
	Max Speed	2.8 GHz	
	L2 Cache	4 MB	
	Chipset	Intel 945GC + ICH7R	
	BIOS	AWARD 8 Mbit SPI Flash	
Bus	Front Side Bus	533/800/1066	
	PCI	32-bit/33 MHz	
Memory	Technology	Dual-channel DDR2 533/667 MHz SDRAM SODIMM	
	Max. Cap.	4 GB	
	Socket	200-pin SODIMM x 2	
Graphics	Controller	Intel Graphics Media Accelerator 950 VGA Mode: Up to 2048 x 1536 @ 75 Hz refresh	
	Integrated	Up to 2048 x 1536 @ 75 Hz refresh	
	VRAM	Shared with 224 MB system memory	
	DVI (optional)	Maximum pixel lock of 400 MHz up to 2048 x 1536 resolutions @ 75 Hz	
Ethernet	Interface	10/100/1000 Mbps	
	Controller	Intel 82574L x 1	
	Connector	RJ-45 with LED Connector x 1	
SATA	Bandwidth	300 MB	
	Channel	3	
EIDE	Mode	-	
	Channel	-	
I/O Interface	USB 2.0	6 ports (USB 2.0 compliant, 2 ports on rear I/O, 4 ports onboard by 2.0 mm pitch box header)	
	Serial	6 COM (2 x RS-232 onboard, Optional: 4 x RS-422/485 w/Auto-flow by PCA-COM485 module)	
	Parallel	1 (EPP/ECP), 2.0 mm pitch pin header	
	PS/2	1 (for mouse and keyboard, a Y-cable is included in the package)	
Watchdog Timer	Output	System reset	
	Interval	Programmable, 1~255 sec/min	
Miscellaneous	Audio Output	Intel High Definition audio interface (requires an audio extension module P/N: PCA-AUDIO-HDA1E)	
	Solid State Disk	CompactFlash Socket (Type I/II)	
Power Requirement	CPU/RAM	Core 2 Duo E7400 2.80 GHz + DDR2 800 2 GB	
	Voltage	+12 V (4.38 A)	+5 V (4.86 A) 5 VSB (0.39 A)
Environment		Operating	Non-Operating (Storage)
	Temperature	0 ~ 60° C (32 ~ 140° F), with appropriate CPU cooler (operating humidity: 40° C @ 85% RH Non-Condensing)	-40° C - 85° C and 60° C @ 95% RH Non-Condensing
Physical	Dimensions	185 mm (L) x 122 mm (W) (7.3" x 4.8")	

All product specifications are subject to change without notice

Board Diagram



Ordering Information

Part Number	LAN	S/W RAID	VGA	COM	DVI
PCI-7020VG-00A1E	Single GbE	Yes	Yes	2	(optional)

Optional Accessories

Part Number	Description
MBPC-641BP-60E	4-slot chassis w/150W power supply
IPC-6806SB-15ZBE	6-slot chassis w/150W power supply
PCA-AUDIO-HDA1E	HD Audio-card
1700000265	Power cable for single board usage
PCA-COM485-00A1E	4 x 422/485 COM module
PCA-COM232-00A1E	4 x 232 COM module
1701140201	COM port cable without bracket

Packing List

Part Number	Description	Quantity
1700002223	Printer port cable (2.0 mm pitch) with bracket	x 1
1700003194	Serial ATA HDD data cable	x 1
1703150102	Serial ATA HDD power cable	x 1
1700006196	Power cable 12P/Big 4P x 2 10 cm	x 1
1700008762	Dual COM cable kit with bracket (2.0 mm pitch)	x 1
1700060202	Keyboard and mouse Y-cable	x 1
1700002343	ATX feature cable	x 1
1700014398	4-port USB cable kit (2.0 mm pitch)	x 1
9689000002	Jumper package	x 1
1960035861N000	HEAT SINK 79 x 79 x 24 mm PCI-7020	x 1

Bracket View



PCI-7020VG-00A1E

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