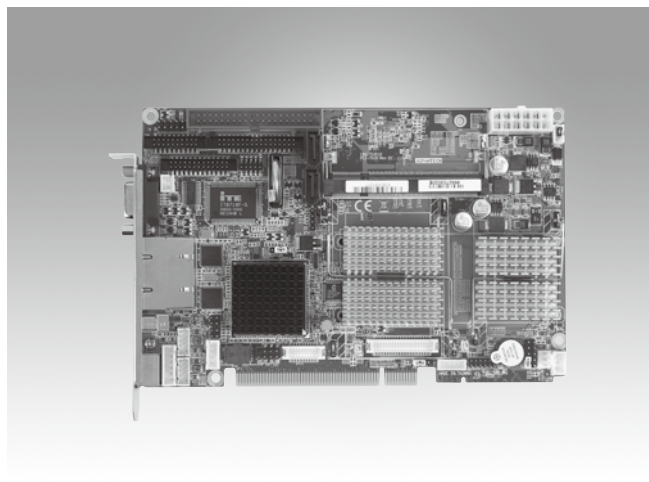


PCI-7030

Intel® Atom™ N270 PCI Half-size SBC
with Dual GbE LAN/LVDS/DVI/SATA/6 COM



Features

- Ultra Low power Fanless Intel® Atom™ processor N270 1.6 GHz
- One/Dual Gigabit Ethernet
- Supports up to 6 COM, 4 x RS-485 w/auto-flow control by PCA-COM485 module
- 1600 x 1200 @ 18/36-bit LVDS, DVI support

Specifications

Processor System	CPU	Intel Atom N270 processor 1.6 GHz				
	FSB	400/533				
	L2 Cache	512 KB cache				
	Chipset	Intel 945GSE + Intel ICH7M				
	BIOS	Award SPI 8 MB				
Bus	PCI	32-bit/ 33 MHz				
	Technology	Single Channel DDR2 SODIMM 400/533 MHz				
Memory	Max. Capacity	2 GB				
	Socket	Yes				
	Controller	Intel 945GSE integrated				
Graphics	VRAM	VGA mode: Supports up to QXGA 2048 x 1536 pixels with 32-bit color @ 75 Hz Shared system memory up to 224 MB (DVMT 3.0)				
	LVDS	Supports 18/36-bit up to UXGA 1600 x 1200				
	DVI	Maximum pixel clock of 400 MHz up to 2048 x 1536 resolutions @ 75 Hz				
	Dual Display	VGA, LVDS, DVI				
	Interface	10/100/1000 Mbps Ethernet				
Ethernet	Controller	Intel 82574L				
	Connector	RJ-45 x 1 for VG ; RJ-45 x 2 for G2				
	Mode	Ultra ATA 100/66/33				
EIDE	Channel	1				
	Port	2 for SATA1, 150 MB/s				
I/O Interface	USB	6 USB2.0 for VG; 5 USB2.0 for G2 480 Mbps; 4 ports onboard and 2 for VG/1 for G2 ports on rear I/O				
	Serial	6 COM (2 x RS-232 onboard, 4 x RS-422/485 w/auto-flow by PCA-COM485 module)				
	Parallel	1 (via super I/O)				
	FDD	1				
	GPIO	8-bit ; CMOS Level (0 – 5 V)				
	PS/2	6-pin DIN socket on bracket for PS/2 keyboard and mouse (via super I/O) 6-pin (2.54 mm) wafer box connector for keyboard only				
	Watchdog Timer	Output	System reset			
Miscellaneous	Interval	1 min or 1 sec, Max 65535 min or 65535 sec				
	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), shared with secondary IDE				
Power Requirement	CPU/RAM	ATOM 1.6G + DDR2 2G (533)				
	Max	+12 V (0.31 A)	+5 V (2.19 A)	+3.3 V (0A)	+5 VSB (0.04A)	+2 V (0A)
Environment	Temperature	Operating	Non-Operating (Storage)			
		0 ~ 60° C (32 ~ 140° F) (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")				

Ordering Information

P/N	VGA	LVDS	DVI	USB	LAN	COM
PCI-7030VG-00A1E	Yes	Yes	-	6	1 (82574L)	2
PCI-7030G2-00A1E	Yes	Yes	Yes	5	2 (82574L)	2

Bracket View



PCI-7030G2-00A1E

Optional Accessories

Part Number	Description
MBPC-641BP-60E	4-slot chassis w/150 W power supply
IPC-6806SB-15ZBE	6-slot chassis w/150 W power supply
PCA-AUDIO-HDA1E	HD audio-card
PCA-SATAP2-00A1E	IDE/SATA adapter for CPU cards
1701140201	COM port cable without bracket
PCA-COM485-00A1E	4 x 422/485 COM module
PCA-COM232-00A1E	4 x 232 COM module