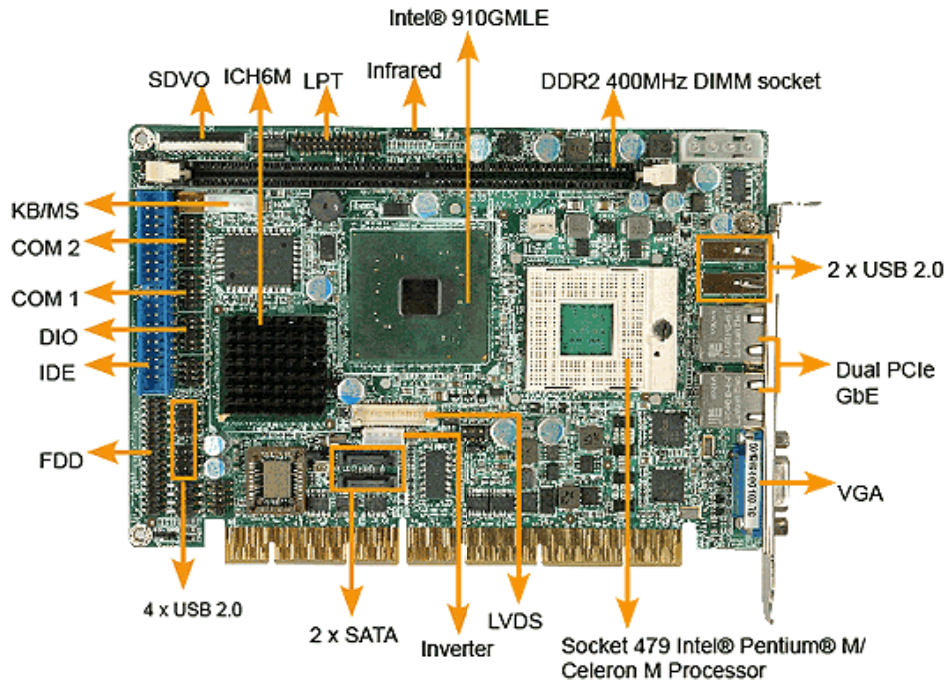
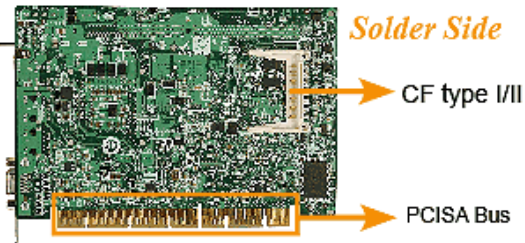


PCISA-9102

Half-size PCISA CPU card supports Intel® Pentium® M / Celeron® M Processors with a 400MHz FSB and comes with VGA/LVDS, Dual PCIe GbE, SATA, USB2.0 and Audio

Features

- Half-size PCISA CPU card
- Supports Intel Pentium M / Celeron M processor with a 400MHz FSB
- Supports one DDR2 400MHz SO-DIMM with a maximum capacity of 1GB
- Dual PCIe GbE Broadcom BCM5787M controllers
- Supports 18/24-bit dual channel LVDS LCD panels
- 2 x SATA, 6 x USB 2.0, 1 x CF Type I/II, 1 x LPT and 2 x COM

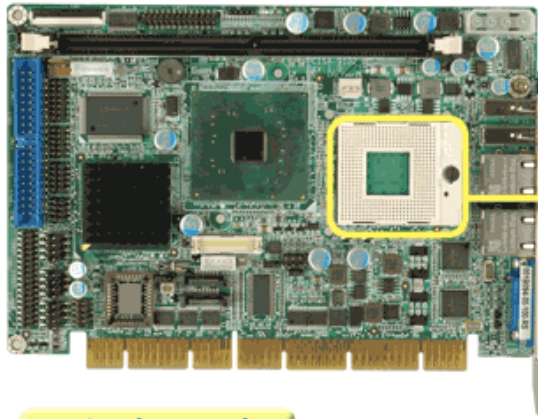
CPU type selection

- Option 1 : Socket 479 Intel® Pentium® M or Celeron M processor with a 400MHz FSB
- Option 2 : On board ULV Intel® Celeron® M 1.0GHz with 512KB L2 cache
- Option 3 : On board ULV Intel® Celeron® M 1.0GHz with zero L2 cache



- ◊ [Flexible Processor Options](#)
- ◊ [Benefits-I/O Options](#)
- ◊ [Specifications](#)
- ◊ [On-board Processor](#)
- ◊ [Various Backplane/Chassis](#)
- ◊ [Packing / Ordering Information](#)
- ◊ [Benefits-Display Options](#)
- ◊ [Optional Chassis](#)

Flexible Processor Options



Supports Intel® Pentium M / Celeron M Processors

Intel® Pentium® M 7x5 Processor
 Intel® Pentium® M 7x8 Low Voltage Processor
 Intel® Pentium® M 7x3 Ultra Low Voltage Processor
 Architecture : 130 / 90nm
 L2 Cache : 1MB / 2MB
Clock Speed : 1.1GHz ~ 2.1GHz
 Front Side Bus : 400 MHz



Optional CPU Cooler

Pentium® M (Socket 479)



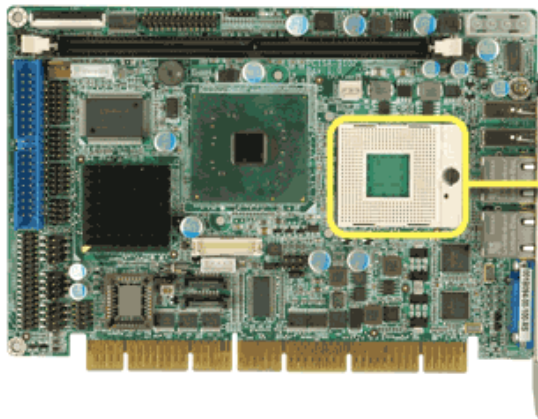
50W
CF-479B-RS
 High Performance
 Socket-479 Pentium M
 CPU Cooler (50X50),
 RoHS

Intel® Celeron® M 3x0 Processor
 Intel® Celeron® M 3x3 Ultra Low Voltage Processor
 Architecture : 130 / 90nm
 L2 Cache : 512KB / 1MB
Clock Speed : 900MHz ~ 1.7GHz
 Front Side Bus : 400 MHz



▲TOP

▶ On-board Processor



On-board Intel® Celeron® M Processors with heat sink

PCISA-9102-1G512-R10

Intel® Celeron® M
 1 GHz; 512KB cache
 479-pin FCBGA

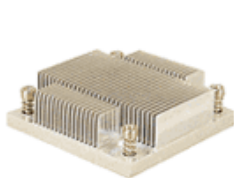
**Thermal Design
 Power 5.5W**



PCISA-9102-1GZ-R10

Intel® Celeron® M
 1 GHz; zero cache
 479-pin FCBGA

**Thermal Design
 Power 5.5W**



On board CPU heatsink
 (50mm x 50mm x 16mm)

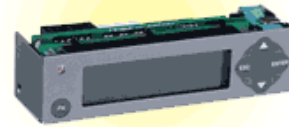
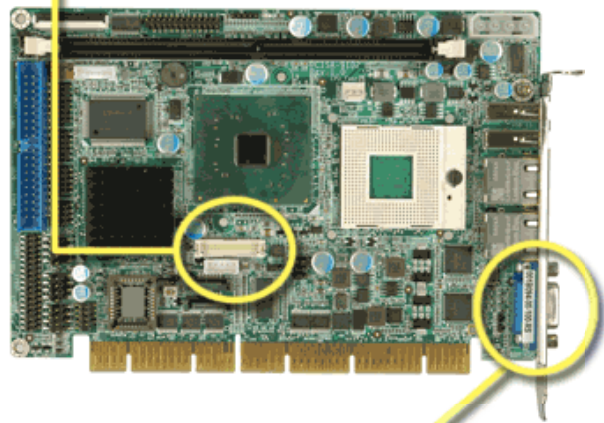


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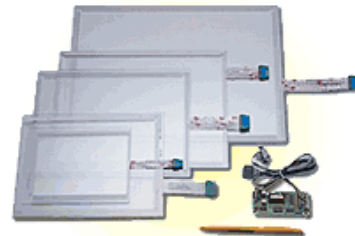
▶ Benefit – Display Options

24-bit dual channel LVDS panel support

IEI LCM-02G



Touch Screen



IEI DM / TDM / SRM / MDM Series



DM-190G



DM-170G



DM-150G



DM-121G



DM-104G



DM-84G



DM-65G

Touch Screen

IP65 standard

Support DVI-D

9-36V DC input



▲TOP

Benefit – I/O Options

Two COM ports supported

- One RS-232/422/485 function by jumper select
- One RS-232 port

8-bit Digital I/O

- 4-bit input
- 4-bit output

Supports Two SATA



Two SATA ports transfer data at 1.5 Gb/s (150MB/s) to two SATA hard drives or optical devices.

Dual PCIe GbE supports ASF 2.0

- ASF 2.0 Features:
- Remote management in low-power or OS absent states
 - Bi-directional communication.
 - Plug and play
 - System Health Monitor / Asset Security Management / Remote Control

▲TOP

Various Backplane

Selection Guide



Model	IP-3S-RS	IP-3S2-RS	IP-3SA-RS	IP-4S-RS	IP-4S2-RS	IP-4S2A-RS	IP-4S3-RS
Total Slot	3	3	3	4	4	4	4
PCI Slot	2	1	2	3	2	3	
ISA Slot		1			1		3
PSU Type	AT	AT	ATX	AT	AT	ATX	AT
Chassis	PAC-53GH PR-1300G	PAC-53GH PR-1300G	PR-1300G	PAC-400G PAC-42GH	PAC-400G PAC-42GH	PAC-400G PAC-42GH	PAC-400G PAC-42GH



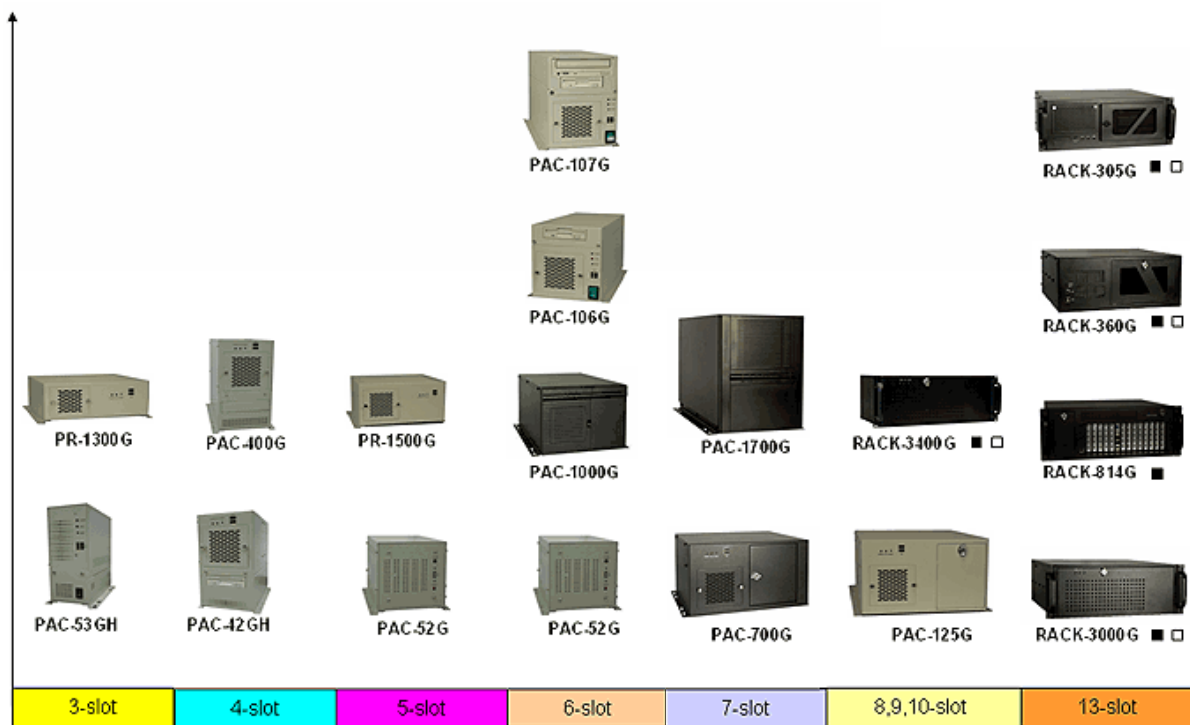
Model	IP-4S4-RS	IP-4SA-RS	IP-5S2-RS	IP-5SA-RS	IP-5SA2-RS	IP-6S-RS	IP-6SA-RS
Total Slot	4	4	5	5	5	6	6
PCI Slot		3	4	3	4	3	3
ISA Slot	3			1	1	2	2
PSU Type	AT	ATX	AT	ATX	ATX	AT	AT
Chassis	PAC-400G PAC-42GH	PAC-400G PAC-42GH	PAC-52G PR-1500G	PR-1500G	PR-1500G	PAC-52G PAC-107G-R20 PAC-1000G	PAC-52G PAC-108G-R20 PAC-107G-R20 PAC-1000G



Model	IP-7S-RS	IP-7SA-RS	IP-8S-RS	IPX-9S-RS	IP-10S-RS	IPX-13S-RS
Total Slot	7	7	8	9	10	13
PCI Slot	4	4	4	8	4	12
ISA Slot	2	2	3		5	
PSU Type	AT	ATX	ATX/AT	ATX/AT	ATX/AT	ATX/AT
Chassis	PAC-700G PAC-1700G	PAC-700G PAC-1700G	PAC-125G-R20 RACK-3400G	PAC-125G RACK-3400G	PAC-125G-R20 RACK-3400G	RACK-305G RACK-360G RACK-814G RACK-3000G

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Optional Chassis



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Specifications

CPU	Socket 479 Intel® Pentium® M / Celeron® M with a 400MHz FSB or on board Intel® Celeron® M 1GHz 512KB cache or 1GHz zero cache processor
System Chipsets	Intel® 910GML + ICH6-M
BIOS	AMI Flash BIOS
System Memory	One 240-pin 400MHz single channel DDR2 SDRAM DIMM supported (system max. 1GB)
Ethernet	Dual PCIe GbE Broadcom BCM5787M chipsets 1 x RS-232 1 x RS-232/422/485 1 x LPT
I/O Interface	6 x USB 2.0 (Two on the bracket, four on board) 2 x SATA 1 x IDE 1 x FDD 1 x 6 pin header for KB/MS
Digital I/O	8-bit digital I/O, 4-bit input/ 4-bit output
Infrared interface	1 x Infrared by pin header
Super I/O	Winbond W83627EHG
Display Interface	VGA Integrated in Intel 910GML 24-bit dual channel LVDS by Intel 910GML
Audio	Support 7.1 channel HD audio or 5.1 channel AC'97 audio by IEI audio kits
SSD	CF type I/II
Watchdog Timer	Software programmable supports 1 ~255 sec. System reset
Power Supply	AT/ATX Power
Power consumption	5V@6.12A, 12V@0.08A (Intel® Pentium® M 745 1.80GHz/400MHz CPU with 1GB DDR2 400MHz)
Temperature	operation: 0°C ~ 60°C (32°F ~ 140°F)
Humidity	operation: 5% ~95% non-condensing
Dimension	185 mm x 127.6 mm
Weight	GW: 1000 g / NW: 230 g

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Packing / Ordering Information

Packing List

- 1 x PCISA-9102 Single Board Computer
- 1 x Mini Jumper Pack
- 1 x ATA66 Flat cable (P/N: 32200-000052-RS)
- 2 x SATA cable (P/N: 32000-062800-RS)
- 1 x SATA Power cable (P/N: 32100-088600-RS)
- 1 x RS-232/LPT cable (P/N: 19800-000027-RS)
- 1 x USB Cable (P/N: CB-USB02-RS)
- 1 x Utility CD
- 1 x QIG

Ordering Information

Part No.	Description
PCISA-9102-R10	Half-size PCISA CPU card supports Intel Pentium® M / Celeron® M Processors with a 400MHz FSB and comes with VGA/LVDS, Dual PCIe GbE, SATA, USB2.0 and Audio
PCISA-9102-1GZ-R10	Half-size PCISA CPU card supports Intel Celeron® M 1GHz zero cache Processors with a 400MHz FSB and comes with VGA/LVDS, Dual PCIe GbE, SATA, USB2.0 and Audio
PCISA-9102-1G512-R10	Half-size PCISA CPU card supports Intel Celeron M 1GHz 512KB cache Processors with a 400MHz FSB and comes with VGA/LVDS, Dual PCIe GbE, SATA, USB2.0 and Audio
CF-479B-RS	CPU cooler (50 mm x 50 mm x 26 mm, 50W)
32200-000058-RS	FDD cable
32200-000077-RS	RS-232/422/485 cable with bracket
AC-KIT883HD-R10	7.1 Channel HD Audio Kit with Realtek ALC883 support dual audio streams
AC-KIT08R-R10	5.1 Channel AC'97 Audio Kit with Realtek ALC655
19800-000075-RS	KB/MS cable with bracket

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