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TECHNOLOGY GROUP

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products

search RAMiX

storage

data-sheet (pdf- 84k)

pmc233
pmc234

managed switches
unmanaged switches
host bus adapters
ethernet controllers
gigabit ethernet controllers
serial communications
pmc expansion
firewire
raceway
taxi interface
specialty products
memory
atm

pmc high capacity disk

- boot and run any os in a single slot
- high capacity : 6 to 25gbytes
- flash disk from 20mb to 440mb
- alternative to costly scsi legacy
- fast read/write performance
- compact and extremely rugged
- drivers for most popular rtos and unix environments (including nt)
- available in industrial temp with flash option

the pmc233 family of embedded disk modules offers a totally new, high performance low cost option for file system and boot storage. combining high performance controllers developed for high end workstations, with disk technology used in laptops, the pmc233 embedded disk module delivers very high data rates in a compact form factor implemented with components designed for physically demanding environments. with the pmc233 “single slot” computing solutions do not need to compromise in either capacity or performance.

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the pmc233 is fully pmc compliant, meeting all mechanical, electrical and protocol specifications. disk capacities from 6gbyte to 25gbyte (rotating media) and from 20mbyte to 440mbyte (flash) are supported.

the pci controller on the pmc233 can fully, and efficiently use the pci bandwidth. fifo buffers allow effective use of pci burst modes, critical to achieving low pci overheads. the pmc233 can execute data transfers at full pci bus speeds. the pmc233 will mount on any pmc location (either directly on a processor card, or on a pmc carrier board).

on the disk side, the controller can support 33mbyte/second transfers to the disk (4 to 6mb burst for flash), compatible with the most aggressive disk drives.

utilizing disk drives developed for high end laptops provides two benefits:

- access to rapidly evolving capabilities in both capacity and transfer performance
- integration with an environmental requirements that are more stringent that general purpose processor environments.

as always, ramix is dedicated to providing a full solution: software support is included.

electrical / mechanical

power	3w (max)
size	ieee 1386, standard single pmc card
operating temperature	2° c to +55° c (using rotary disk)
storage temperature	-40° c to + 80° c
relative humidity	5% to 95% (non-condensing)

ordering info

when ordering specify the pmc233 model followed by operating system and processor architecture

part number	pmc233

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disk size	(c) 6 gbyte	(f20) 20 mbyte flash disk
	(d) 9 gbyte	(f40) 40 mbyte flash disk
	(e) 12.5 gbyte	(f60) 60 mbyte flash disk
	(f) 17 gbyte (takes adjacent slot)	(f80) 80 mbyte flash disk
	(g) 25 gbyte (takes adjacent slot)	(f100) 100 mbyte flash disk
		(f220) 220 mbyte flash disk
		(f440) 440 mbyte flash disk
software environment	(sev) vxworks	(sed) digital unix
	(sel) lynxos	(ses) solaris
	(sep) psos	(seu) custom
processor architecture	(arc) power pc	(ar6) r6000
	(ar8) 68k	(arf) alpha
	(ars) sparc	(arx) custom
example	pmc233-c-sev-arc// pmc233 with 6 gbyte disk in vxworks environment on power pc	

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We buy equipment

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