
Subject: : Unsatisfactory Software

Topic: : SAM460 owners - ArcEm OCM benchmarking - please help

Re: SAM460 owners - ArcEm OCM benchmarking - please help

Author: : klapdeur

Date: : 2013/2/28 22:04:28

URL:

test with ocm enabled:

SICK V1.28

(Please mail result file to M.Seifert@t-online.de)

Result Values

```
&00000134 &00000080 &000000A4 &00000137 &000000A0 &00000000
&001DBFBB &00004E20 &00007FFC &01000000 &0056F1D0 &FFFFFFFF
&FFFFFFFF &00008000 &00000200 &00000000 &00000000 &00000100
&036E0D0C &00000000 &00000000 &00000000 &00000000 &FFFFFFFF
&FFFFFFFF &FFFFFFFF &FFFFFFFF &FFFFFFFF &FFFFFFFF &FFFFFFFF
&FFFFFFFF &FFFFFFFF &FFFFFFFF &FFFFFFFF &FFFFFFFF &00000001
&00000000 &00000000 &00000000 &00000000 &41560300 &00000003
&00000000 &00000000 &FFFFFFFF &0000011F &000C0300 &00000000
&00FF0000 &00000D95 &FFFFFFFF &00000001 &00000050 &FFFFFFFF
&000000FF &00000004 &00000280 &000001E0 &00000040 &00006257
&00119A8B &00020000 &00CFCC93 &00000064 &08ECE88A &6AEF0000
&008000B5 &4E138000 &0080074B &15CA2000 &00800863 &17F7F000
&00800412 &16107000 &0080179C &04AB5000 &00802219
```

Guesswork

Computer model: Unknown

Processor

Type: ARM3, rev. 0
Architecture version: ARMv2a
Designer: Acorn Computer
Implementor: ARM
Manufacturer: VLSI
Clock rate: 23.714 MHz

Processor bugs:
RRX: No
Mode change: No
LDM^: No
LDM/STM: Yes
STM^: No
Istream abort: ?
LDMIB: -
MSR: -

Floating point handler: Old FP-Emulator
FP emulator version: 2.87

Floating point hardware: None

.-----.

| Memory |

'-----'

DRAM size: 16 Mbytes (reported by OS)

VRAM size: 0 bytes (reported by OS)

ROM size: 2 Mbytes

Low ROM access time: 450 ns

High ROM access time: 450 ns

.-----.

| Frequencies |

'-----'

IOC timer frequency: 1.950 MHz

IOC timer 0 setting: &4E20 (99.995 Hz)

IOC timer 1 setting: &7FFC (61.041 Hz)

Memory clock: 5.698 MHz (reported by OS)

.-----.

| System Performance |

' Integer: 19249.36 Dhrystones/sec

(10.96 Dhrystone 2.1 MIPS)

(0.462 Dhrystone 2.1 MIPS/MHz)

Floating point: 133.5615 kWhetstones/sec

(0.1336 MWIPS)

(0.00563 MWIPS/MHz)

Memory access:

Cache read: 407.9 Mbytes/sec

(18.0 bytes/CPU clock tick)

Cache write: 297.8 Mbytes/sec

(13.2 bytes/CPU clock tick)

Main memory read: 83.10 Mbytes/sec
(15.3 bytes/Memory clock tick)
Main memory write: 91.42 Mbytes/sec
(16.8 bytes/Memory clock tick)

Screen memory read: 84.11 Mbytes/sec
(15.5 bytes/Memory clock tick)
Screen memory write: 17.79 Mbytes/sec
(3.27 bytes/Memory clock tick)

.-----.
| ICs |
'-----'

Memory controller: MEMC1a
I/O chip: VL1772
Videochip: VIDC1a (reported by RISC OS)
Special functions chip: None
Real time clock: Philips PCF8583
I²C address: &A0
Reference clock: 32.768 kHz (configured)
LCD controller: None

Battery management unit: None

.-----.
| Screen mode |
'-----'

Resolution: 640 × 480
Colours: 256
Refresh rate: 57.2 Hz
VIDC clock speed: 25.175 MHz (reported by OS)

.-----.
| Input And Output Devices |
'-----'

Keyboard type: Archimedes keyboard
Layout: (configured)
Pointer device connection: Quadrature mouse (guessed)

Monitor type: Super-VGA-type monitor (configured)
Monitor lead ID: Unknown (lead ID = '?')

.-----.

Expansion Cards |

| Econet |

Econet network present: No

| Ethernet |

Internet module version: None

Resolver module version: None

Ethernet driver module: None

IP address stored in CMOS RAM: 161.161.161.161

Current IP address: None

Ethernet IP mask: None

Domain Name Server (DNS): None

Network drivers: None

| Others |

Unique machine ID: None

OS version: 3.11

OS identifier: &A4

OS description: RISC OS 3.11 (29 Sep 1992)

| Filing Systems |

Read	Maximum				
Number	Name	only	open files	Discs	Long FS name

8	ADFS	No	unlimited	1	Acorn ADFS
13	null	No	unlimited		<Untitled FS>
14	printer	No	unlimited		<Untitled FS>
17	vdu	No	unlimited		<Untitled FS>
18	rawvdu	No	unlimited		<Untitled FS>
19	kbd	No	unlimited		<Untitled FS>
20	rawkbd	No	unlimited		<Untitled FS>
46	Resources	Yes	unlimited		Acorn ResourceFS
47	Pipe	No	unlimited		Acorn PipeFS
53	devices	No	unlimited		Acorn DeviceFS
153	HostFS	No	100		RPCEmu Host Filing System

| ADFS Devices |

Master
Bad drive

Slave
Bad drive

CDFS Driver

CDFS driver not present

FileCore Drives

Remarks

The real time clock of this machine probably is grossly inaccurate

test WITHOUT OCM

SICK V1.28
(Please mail result file to M.Seifert@t-online.de)

Result Values

&00000134 &00000080 &000000A4 &00000137 &000000A0 &00000000
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&FFFFFFFF &00008000 &00000200 &00000000 &00000000 &00000100
&036E0D0C &00000000 &00000000 &00000000 &00000000 &FFFFFFFF
&FFFFFFFF &FFFFFFFF &FFFFFFFF &FFFFFFFF &FFFFFFFF &FFFFFFFF
&FFFFFFFF &FFFFFFFF &FFFFFFFF &FFFFFFFF &FFFFFFFF &00000001
&00000000 &00000000 &00000000 &00000000 &41560300 &00000003
&00000000 &00000000 &FFFFFFFF &0000011F &000C0300 &00000000
&00FF0000 &00000D95 &FFFFFFFF &00000001 &00000050 &FFFFFFFF
&000000FF &00000004 &00000280 &000001E0 &00000040 &00006257
&00119AAA &00020000 &00D14C44 &00000064 &08FA9723 &7F710000
&005FAD3D &670D4000 &008012BD &15C0C000 &00800DDE &17F34000
&0080180C &16152000 &00800955 &04650000 &008019A0

Guesswork

Computer model: Unknown

Processor

Type: ARM3, rev. 0
Architecture version: ARMv2a
Designer: Acorn Computer
Implementor: ARM
Manufacturer: VLSI
Clock rate: 22.166 MHz

Processor bugs:

RRX: No
Mode change: No
LDM^: No
LDM/STM: Yes
STM^: No
Istream abort: ?
LDMIB: -
MSR: -

Floating point handler: Old FP-Emulator
FP emulator version: 2.87

Floating point hardware: None

Memory

DRAM size: 16 Mbytes (reported by OS)

VRAM size: 0 bytes (reported by OS)

ROM size: 2 Mbytes
Low ROM access time: 462 ns
High ROM access time: 462 ns

Frequencies

IOC timer frequency: 1.946 MHz
IOC timer 0 setting: &4E1F (97.300 Hz)
IOC timer 1 setting: &7FFC (59.393 Hz)

Memory clock: 0.2630 MHz (reported by OS)

System Performance

Integer: 18595.49 Dhrystones/sec
(10.58 Dhrystone 2.1 MIPS)
(0.477 Dhrystone 2.1 MIPS/MHz)

Floating point: 129.1817 kWhetstones/sec
(0.1292 MWIPS)
(0.00583 MWIPS/MHz)

Memory access:

Cache read: 632.8 Mbytes/sec
(29.9 bytes/CPU clock tick)

Cache write: 382.3 Mbytes/sec
(18.1 bytes/CPU clock tick)

Main memory read: 80.71 Mbytes/sec
(322 bytes/Memory clock tick)

Main memory write: 88.83 Mbytes/sec
(354 bytes/Memory clock tick)

Screen memory read: 81.94 Mbytes/sec
(327 bytes/Memory clock tick)

Screen memory write: 16.30 Mbytes/sec
(65.0 bytes/Memory clock tick)

ICs

Memory controller: MEMC1a

I/O chip: VL1772

Videochip: VIDC1a (reported by RISC OS)

Special functions chip: None

Real time clock: Philips PCF8583

I²C address: &A0

Reference clock: 32.768 kHz (configured)

LCD controller: None

Battery management unit: None

Screen mode

Resolution: 640 x 480
Colours: 256
Refresh rate: 55.7 Hz
VIDC clock speed: 25.175 MHz (reported by OS)

Input And Output Devices

Keyboard type: Archimedes keyboard
Layout: (configured)

Pointer device connection: Quadrature mouse (guessed)

Monitor type: Super-VGA-type monitor (configured)
Monitor lead ID: Unknown (lead ID = '?')

Expansion Cards

Econet

Econet network present: No

Ethernet

Internet module version: None
Resolver module version: None
Ethernet driver module: None

IP address stored in CMOS RAM: 161.161.161.161
Current IP address: None
Ethernet IP mask: None
Domain Name Server (DNS): None

Network drivers: None

Others

Unique machine ID: None

OS version: 3.11
OS identifier: &A4
OS description: RISC OS 3.11 (29 Sep 1992)

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ADFS Devices

Master
Bad drive

Slave
Bad drive

CDFS Driver

CDFS driver not present

FileCore Drives

Remarks

The system quartz probably has been manipulated

Hope this helps

my machine is a Amigaone500

cpu speed 1150 mhz

2gb memory

radeonHD 6570 2gb